

Life Science Product Catalog

Recombinant Proteins | Antibodies | Biological Kits | Biochemical Reagents



MedChemExpress (MCE) stands as a leading global brand in the field of life sciences, offering a wide range of **high-purity small molecules**, **highly potent large molecules**, and a diverse selection of widely used **biological reagents** and **assay kits**. Furthermore, MCE extends its reach to scientists worldwide by providing **professional technical services**, including one-stop drug screening and compound customization.

With a robust R&D team and a stringent quality control system, MCE is committed to delivering professional and attentive service to its customers. MCE's unwavering dedication to serving scientific research with stable, high-quality products and pioneering solutions underscores MCE's commitment to advancing human scientific research and pharmaceutical development.



Strict Quality System

- Equipped with a professional experimental center and strict quality control system
- Provide various quality inspection reports such as HNMR, LC/MS, HPLC, chiral analysis, elemental analysis, SDS-PAGE, SEC-HPLC, activity detection, etc.



Bioactive Validation

- The biological activity and experimental results of MCE products have been validated by customers worldwide, and the research findings have been widely published in top-tier journals globally.



Professional & Considerate Service

- Experienced technical support team
- 24/7 Response
- Sufficient spot reserves

Top Publications Citing Use of MCE Products

[1] *Cell*. 2024 Nov 14;187(23):6566-6583.e22.

[3] *Cell*. 2025 Jan 9;188(1):157-174.e22.

[5] *Cell*. 2025 Feb 6;188(3):814-831.e21.

[7] *Nature*. 2024 Nov;635(8040):987-1000.

[9] *Nature*. 2024 Dec;636(8043):745-754.

[11] *Nature*. 2025 Jan;637(8047):955-964.

[13] *Nature*. 2025 Feb;638(8049):172-181.

[15] *Nature*. 2025 Jan;637(8044):215-223.

[17] *Nature*. 2025 Jan;637(8046):726-735.

[2] *Cell*. 2024 Dec 26;187(26):7637-7654.e29.

[4] *Cell*. 2025 Jan 23;188(2):412-429.e27.

[6] *Cell*. 2025 Feb 20;188(4):998-1018.e26.

[8] *Nature*. 2024 Dec;636(8042):466-473.

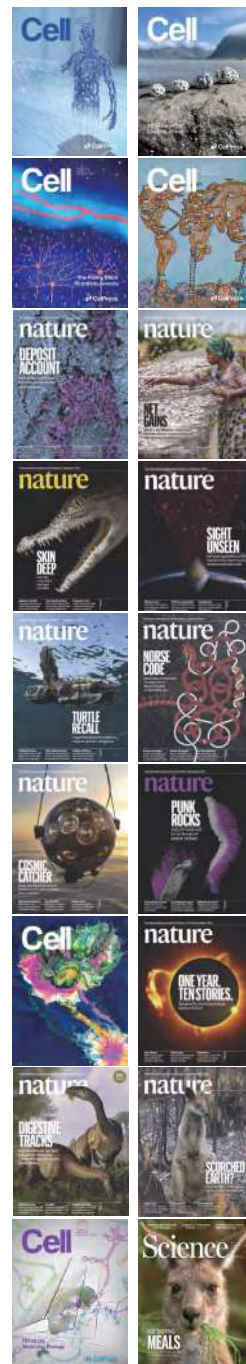
[10] *Nature*. 2025 Jan;637(8048):1198-1206.

[12] *Nature*. 2025 Jan;637(8045):402-411.

[14] *Nature*. 2025 Feb;638(8052):1112-1121.

[16] *Nature*. 2025 Feb;638(8050):490-498.

[18] *Science*. 2025 Jan 10;387(6730):eads9960.



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Ubiquitin Related Proteins / Viral Proteins
Biotinylated Proteins / GMP-grade Proteins GMP

50 Antibodies



Inhibitor Cocktails

- Protease Inhibitor Cocktails
- Phosphatase Inhibitor Cocktails
- Deacetylase Inhibitor Cocktails
- Kinase Inhibitor Cocktails

Protease Inhibitor Cocktails

Cat. No.	Product Name	Information														
HY-K0010	Protease Inhibitor Cocktail (Solution, EDTA-Free, 100× in DMSO)	Protease inhibitor cocktail increases protein stability in mammalian cell lysates or tissue extracts.														
		Applications: Western Blot, Co-IP, Pull-Down, IF, IHC, Kinase Assay, etc.														
		<table><tr><th>Ingredient</th><th>Target</th></tr><tr><td>AEBSF</td><td>Serine proteases</td></tr><tr><td>Aprotinin</td><td>Serine proteases</td></tr><tr><td>Bestatin</td><td>Aminopeptidases</td></tr><tr><td>E-64</td><td>Cysteine proteases</td></tr><tr><td>Leupeptin</td><td>Serine and cysteine proteases</td></tr><tr><td>Pepstatin A</td><td>Aspartic proteases</td></tr></table>	Ingredient	Target	AEBSF	Serine proteases	Aprotinin	Serine proteases	Bestatin	Aminopeptidases	E-64	Cysteine proteases	Leupeptin	Serine and cysteine proteases	Pepstatin A	Aspartic proteases
		Ingredient	Target													
		AEBSF	Serine proteases													
		Aprotinin	Serine proteases													
		Bestatin	Aminopeptidases													
		E-64	Cysteine proteases													
		Leupeptin	Serine and cysteine proteases													
Pepstatin A	Aspartic proteases															
HY-K0011	Protease Inhibitor Cocktail, mini-Tablet (EDTA-Free)	Protease Inhibitor Cocktail, mini-Tablet (EDTA-Free) increases protein stability in mammalian cell lysates or tissue extracts. One mini-Tablet can be directly added to 10 mL cell/tissue lysis buffer.														
		Applications: Western Blot, IP, Co-IP, pull-down, IF, IHC, kinase assay, etc.														
		<table><tr><th>Ingredient</th><th>Target</th></tr><tr><td>AEBSF</td><td>Serine proteases</td></tr><tr><td>Aprotinin</td><td>Serine proteases</td></tr><tr><td>Bestatin</td><td>Aminopeptidases</td></tr><tr><td>E-64</td><td>Cysteine proteases</td></tr><tr><td>Leupeptin</td><td>Serine and cysteine proteases</td></tr></table>	Ingredient	Target	AEBSF	Serine proteases	Aprotinin	Serine proteases	Bestatin	Aminopeptidases	E-64	Cysteine proteases	Leupeptin	Serine and cysteine proteases		
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		AEBSF	Serine proteases													
		Aprotinin	Serine proteases													
		Bestatin	Aminopeptidases													
		E-64	Cysteine proteases													
		Leupeptin	Serine and cysteine proteases													
HY-K0012	Protease Inhibitor Cocktail, Bacteria (EDTA-Free, 100× in DMSO)	Protease Inhibitor Cocktail, Bacteria (EDTA-Free, 100× in DMSO) protects proteins from degradation by endogenous proteases released during protein extraction and purification.														
		Applications: Western Blot, Co-IP, Pull-Down, IF, IHC, Kinase Assay, etc.														
		<table><tr><th>Ingredient</th><th>Target</th></tr><tr><td>AEBSF</td><td>Serine proteases</td></tr><tr><td>Bestatin</td><td>Aminopeptidases</td></tr><tr><td>E-64</td><td>Cysteine proteases</td></tr><tr><td>Pepstatin A</td><td>Aspartic proteases</td></tr></table>	Ingredient	Target	AEBSF	Serine proteases	Bestatin	Aminopeptidases	E-64	Cysteine proteases	Pepstatin A	Aspartic proteases				
		Ingredient	Target													
		AEBSF	Serine proteases													
		Bestatin	Aminopeptidases													
		E-64	Cysteine proteases													
		Pepstatin A	Aspartic proteases													



Phosphatase Inhibitor Cocktails

Cat. No.	Product Name	Information	
HY-K0021	Phosphatase Inhibitor Cocktail I (100× in DMSO)	Phosphatase Inhibitor Cocktail I (100× in DMSO) effectively inhibits alkaline phosphatases and serine/ threonine protein phosphatases.	
		Applications: Western Blot, Co-IP, Pull-Down, IF, IHC, Kinase Assay, etc.	
		Ingredient	Target
		(-)-p-Bromotetramisole oxalate	Alkaline phosphatases
		Cantharidin	Ser/Thr phosphatases
HY-K0022	Phosphatase Inhibitor Cocktail II (100× in ddH ₂ O)	Phosphatase Inhibitor Cocktail I (100× in DMSO) effectively inhibits acid phosphatases, alkaline phosphatases, and protein tyrosine phosphatases (PTPs).	
		Applications: Western Blot, Co-IP, Pull-Down, IF, IHC, Kinase Assay, etc.	
		Ingredient	Target
		Sodium Fluoride	Acid phosphatases
		Sodium Orthovanadate	Protein Tyrosine phosphatases, Alkaline phosphatases
		Sodium Tartrate Dihydrate	Acid phosphatases
		Sodium Molybdate	Acid phosphatases
		Imidazole	Alkaline phosphatases
HY-K0023	Phosphatase Inhibitor Cocktail III (100× in DMSO)	Phosphatase Inhibitor Cocktail I (100× in DMSO) effectively inhibits serine/threonine phosphatases and alkaline phosphatases.	
		Applications: Western Blot, Co-IP, Pull-Down, IF, IHC, Kinase Assay, etc.	
		Ingredient	Target
		(-)-p-Bromolevamisole oxalate	Alkaline phosphatases
		Cantharidin	Ser/Thr phosphatases
		Calyculin A	protein phosphatase 1 and 2A (PP1 and PP2A)

Deacetylase Inhibitor Cocktails

Cat. No.	Product Name	Information										
HY-K0030	Deacetylase Inhibitor Cocktail (100× in 70% DMSO)	Deacetylase Inhibitor Cocktail (100× in 70% DMSO) is a synergistic combination of chemicals designed to preserve the acetylation state of proteins.										
		Applications: Western Blot, Flow Cytometry, IF, etc.										
		<table><tr><th>Ingredient</th><th>Target</th></tr><tr><td>Trichostatin A</td><td>Class I / II HDAC</td></tr><tr><td>EX-527</td><td>SIRT</td></tr><tr><td>Nicotinamide</td><td>Class III HDAC</td></tr><tr><td>Sodium Butyrate</td><td>Class I / II HDAC</td></tr></table>	Ingredient	Target	Trichostatin A	Class I / II HDAC	EX-527	SIRT	Nicotinamide	Class III HDAC	Sodium Butyrate	Class I / II HDAC
Ingredient	Target											
Trichostatin A	Class I / II HDAC											
EX-527	SIRT											
Nicotinamide	Class III HDAC											
Sodium Butyrate	Class I / II HDAC											

Cat. No.	Product Name	Information	
HY-K0017	Kinase Inhibitor Cocktail	Kinase Assay Buffer controls the biological activity of kinases. It can be used for assaying kinase protein. This assay buffer is supplied as a ready-to-use solution in ddH ₂ O.	
		Applications: Western Blot, Co-IP, Pull-Down, IF, IHC, Kinase Assay, etc.	
		Ingredient Target	
		MOPS	maintain the pH
		PKC inhibitor peptide	Inhibits PKC
		PKA inhibitor peptide	Inhibits PKA
		R24571	Inhibits Ca ²⁺ dependent protein kinase
		β-glycerol phosphate	Inhibits phosphatase
		EGTA	Calcium chelator
		Sodium Orthovanadate	Inhibits alkaline phosphatase and some ATPase enzymes
		Dithiothreitol	strong reducing agent

Time	0 h	RT, 6 h			Time	0 h	RT, 12 h		
Brand	Control	MCE	R-Brand	S-Brand	Brand	Control	MCE	R-Brand	S-Brand
Bcl-2					Bcl-2				
GAPDH					GAPDH				

Time	O h	RT,6 h				RT,12 h			
Brand	Control	-	MCE	R-Brand	S-Brand	-	MCE	R-Brand	S-Brand
ERK1/2									
GAPDH									

[2] **Nature**. 2025 Feb;638(8052):1112-1121.

[4] **Nature**. 2025 Feb;638(8052):1112-1121.

[6] **Nat Biomed Eng**. 2025 Feb;9(2):201-214.

[8] **Cell**. 2024 Sep 19;187(19):5238-5252.e20.

[10] **Nat Biotechnol**. 2024 Dec 3.

[12] **Cell Res**. 2024 Sep;34(9):648-660.

[14] **Mol Cancer**. 2024 Apr 4;23(1):70.



RT/qPCR & PCR Master Mix

RT Master Mix for qPCR
SYBR Green qPCR Master Mix
PCR Master Mix

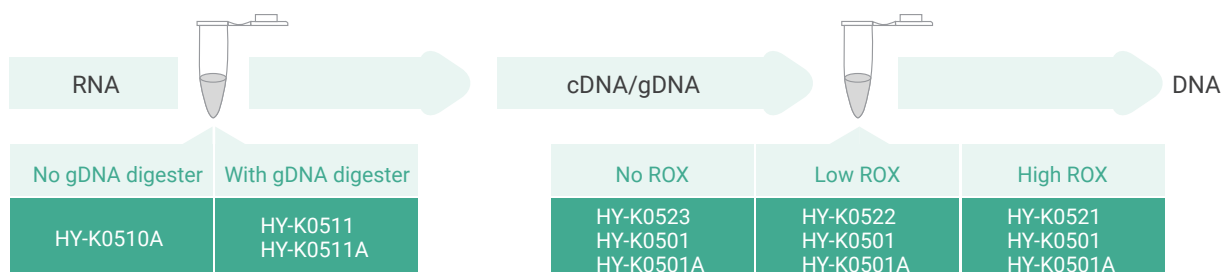
RT & qPCR Master Mix

Cat. No.	Product Name	Application
HY-K0510A	RT Master Mix for qPCR II	Reverse Transcription
HY-K0511	RT Master Mix for qPCR (gDNA digester plus)	Reverse Transcription
HY-K0511A	RT Master Mix for qPCR II (gDNA digester plus)	Reverse Transcription
HY-K0521	SYBR Green qPCR Master Mix (High ROX)	qPCR
HY-K0522	SYBR Green qPCR Master Mix (Low ROX)	qPCR
HY-K0523	SYBR Green qPCR Master Mix (No ROX)	qPCR
HY-K0501	SYBR Green qPCR Master Mix	qPCR
HY-K0501A	SYBR Green qPCR Master Mix (Universal)	qPCR

PCR Master Mix

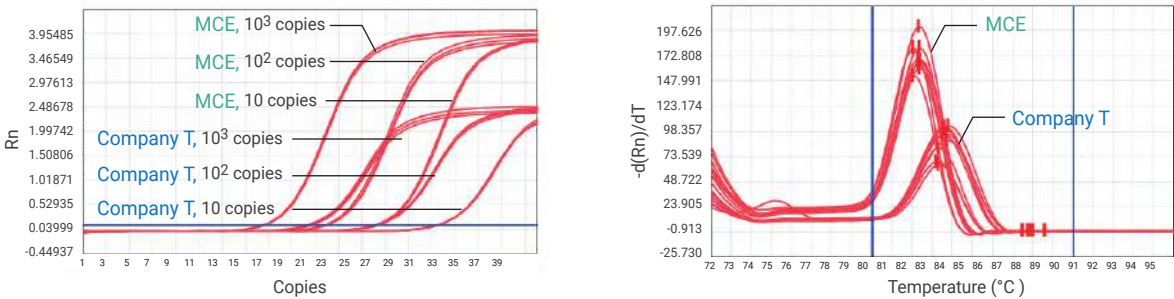
Cat. No.	Product Name	Application
HY-K0531	2× PCR Master Mix (with Dye)	PCR
HY-K0532	2× Fast PCR Master Mix (with Dye)	Fast PCR
HY-K0533	2× High-Fidelity PCR Master Mix	High-Fidelity PCR

How to Choose

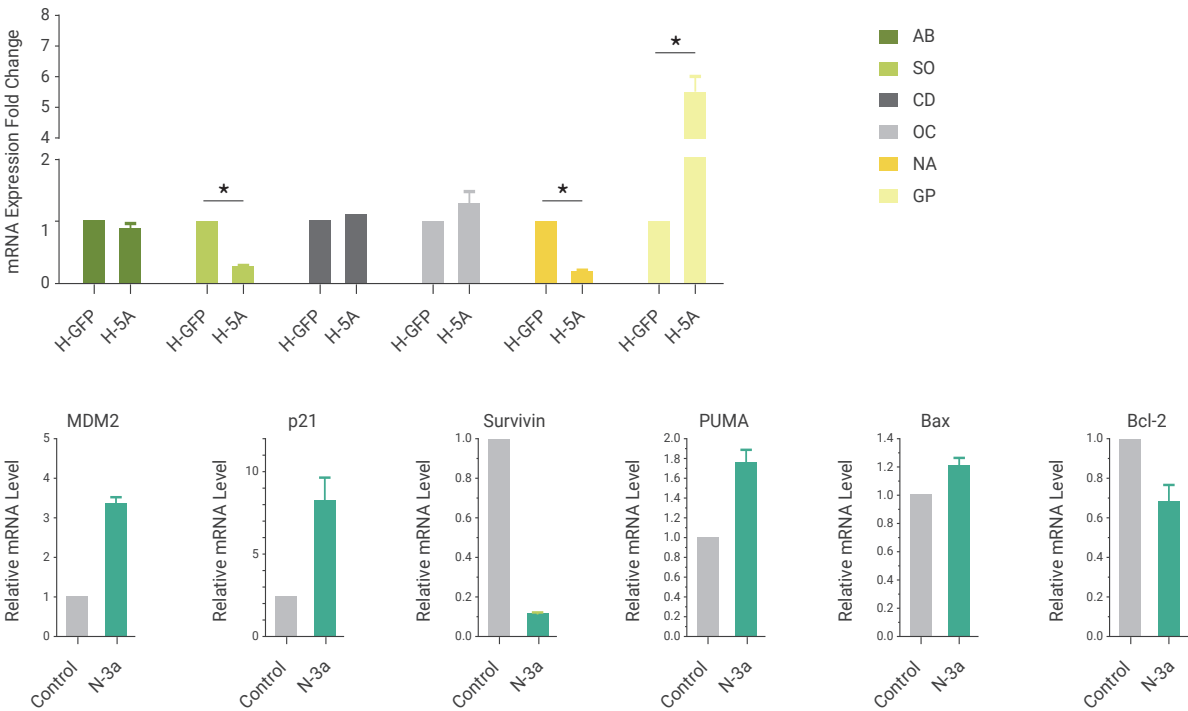




Brand Comparison



Customer Validations



Advantages

- Ready to use
- High specificity
- Optimized buffer
- High reliability
- High sensitivity
- Passive reference dyes are provided for different instruments



Cell Culture

Basal Cell Culture Medium

MCE basal cell culture medium can provide abundant nutrients for cell growth.

Cat. No.	Product Name	Application
HY-K3001	DMEM (High Glucose, L-Glutamine, Pyruvate, Phenol Red, no HEPES)	For supporting the growth of many different mammalian cells. Cell lines successfully cultured in DMEM include Hela, 293, Cos-7, and PC-12, as well as primary fibroblasts, neurons, glial cells, HUVECs, and smooth muscle cells.
HY-K3002	DMEM/F-12 (1:1), L-Glutamine, Phenol Red, HEPES	For supporting the growth of many different mammalian cells, include MDCK, glial cells, fibroblasts, human endothelial cells, etc.
HY-K3003	DMEM (Low Glucose, L-Glutamine, Pyruvate, Phenol Red, no HEPES)	For supporting the growth of many different mammalian cells. Cell lines successfully cultured in DMEM include Hela, 293, Cos-7, and PC-12, as well as primary fibroblasts, neurons, glial cells, HUVECs, and smooth muscle cells, etc.
HY-K3004	RPMI 1640 (L-Glutamine, Phenol Red, no HEPES)	Contains glutathione and high concentration of vitamins, also contains biotin, vitamin B12, 4-Aminobenzoic acid (PABA) not found in MEM and DMEM, as well as high concentration of inositol and choline chloride.

Basement Membrane Matrix

MCE Basement Membrane Matrix is natural basement membrane matrix extracted from mouse tumors and is composed mainly of various growth factors and extracellular matrix components.

MCE Basement Membrane Matrix is suitable for studies of tumor invasion, angiogenesis, and organoid culture.

Cat. No.	Product Name	Application
HY-K6001	Basement Membrane Matrix (Phenol Red)	<i>In vitro</i> angiogenesis, tumor cell migration or invasion
HY-K6002	Basement Membrane Matrix	<i>In vitro</i> angiogenesis, tumor cell migration or invasion
HY-K6003	Basement Membrane Matrix GFR (Phenol Red)	Organoid culture, <i>in vitro</i> angiogenesis
HY-K6004	Basement Membrane Matrix GFR	Organoid culture, <i>in vitro</i> angiogenesis
HY-K6005	Basement Membrane Matrix HC (Phenol Red)	Transplantation/induction of tumorigenic models, such as PDX (Patient-Derived tumor Xenograft model) and CDX (Cell line-Derived Xenograft model)
HY-K6006	Basement Membrane Matrix IPSC-qualified	Stem cell expansion and differentiation
HY-K6007	Basement Membrane Matrix for Organoid Culture	Organoid culture
HY-K6008	Basement Membrane Matrix HC	Construction of animal models and 3D tumor models
HY-K6009	Basement Membrane Matrix GFR&HC	Cell cultures that need to reduce growth factor induction

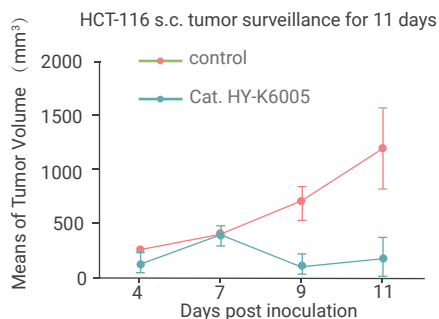
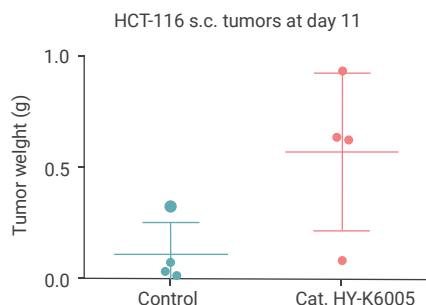
Advantages

- Batch-to-batch consistency
- Stable Supply
- Low Endotoxin
- Promote robust growth

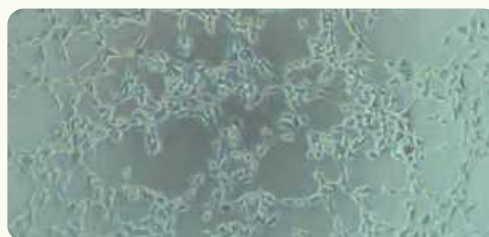
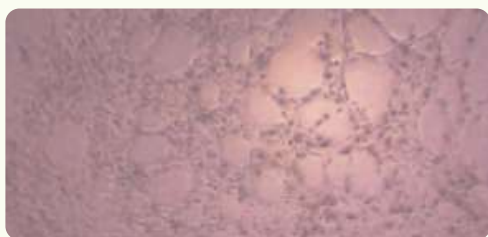
Customer Validations



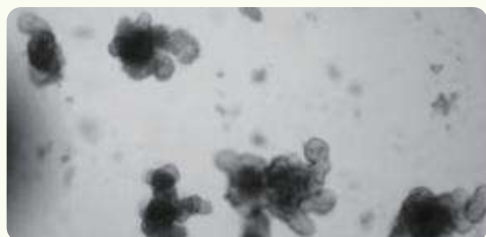
Human Gastric Cancer Organoid Culture
HY-K6004 Low Growth Factor Basement Membrane Matrix



HY-K6005 Basement Membrane Matrix HC (Phenol Red)
Subcutaneous Tumor Formation in 4-5 Week-Old BALB/c-nu Mice, Day 11



Tubule formation of HUVEC (4h): HY-K6001 Basement Membrane Matrix(Phenol Red) (Left);
HY-K6002 Basement Membrane Matrix (Right)



Generation of mouse intestinal organoid, Day6: HY-K6004 Basement Membrane Matrix GFR (Left)
HY-K6007 Basement Membrane Matrix for Organoid Culture (Right)

Organoid Culture Medium

To meet the needs of different organoid growth, MCE provides a variety of high-quality organoid culture medium to support organoid culture research.

Advantages

- High safety: no toxic and harmful ingredients, suitable for organoids growth.
- Good stability of batches: Strict production quality control process to ensure stable performance between batches.
- Low endotoxin: aseptically filtered, endotoxin content < 2 EU/mL.
- Contaminant detection: Mycoplasma, bacteria and fungi free.
- High cytokine activity: good organoids differentiation and growth.

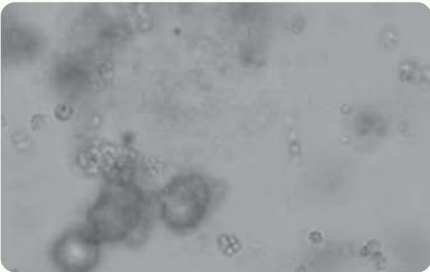


Organoid medium	Catalog No	Application
Normal Tissue organoid Medium	HY-K6112	Constructing Human Colonic Organoids
	HY-K6113	Constructing Human Intestinal Organoids
	HY-K6114	Constructing Human Gastric Epithelial Organoids
	HY-K6115	Constructing Human Pancreatic Organoids
	HY-K6116	Constructing Human Kidney Tubular Organoids
	HY-K6117	Constructing Human Liver Ductal Organoids
	HY-K6118	Constructing Mouse Liver Ductal Organoids
	HY-K6119	Constructing Mouse Intestinal Organoids
	HY-K6120	Constructing Mouse Colonic Organoids
Tumor organoid medium	HY-K6101	Constructing Human Breast Cancer Organoids
	HY-K6102	Constructing Human Lung Adenocarcinoma Organoids
	HY-K6103	Constructing Human Small Cell Lung Cancer Organoids
	HY-K6104	Constructing Human Colorectal Cancer Organoids
	HY-K6105	Constructing Human Gastric Cancer Organoids
	HY-K6106	Constructing Human Cholangiocarcinoma Organoids
	HY-K6107	Constructing Human Cervical Cancer Organoids
	HY-K6108	Constructing Human Esophageal Cancer Organoids
	HY-K6109	Constructing Human Endometrial Cancer Organoids
	HY-K6110	Constructing Human Pancreatic Cancer Organoids
	HY-K6111	Constructing Human Head and Neck Squamous Cell Carcinoma Organoids

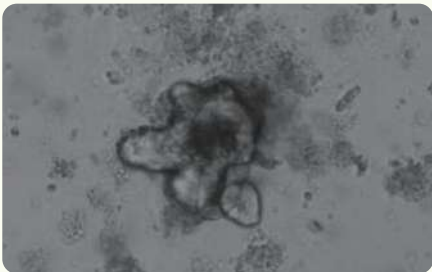
Customer Validations

Generation of mouse intestinal organoid (left: Day1; right: Day6)

Day 1



Day 6



HY-K6004 Basement Membrane Matrix GFR + HY-K6119 Mouse Intestinal Organoid Kit



Magnetic Beads, Agarose and Magnetic Agarose Beads

Magnetic Beads

Product Name	Bead Diameter	Binding Capacity	Application
HY-K0201 Anti-HA Magnetic Beads	200 nm	0.5 mg/mL	IP, Purification, Co-IP
HY-K0202 Protein A/G Magnetic Beads	200 nm	> 0.7 mg/m	IP, Co-IP, ChIP, Purification
HY-K0203 Protein A Magnetic Beads	200 nm	> 0.9 mg/mL	IP, Co-IP, ChIP, Purification
HY-K0204 Protein G Magnetic Beads	200 nm	> 0.85 mg/mL	IP, Co-IP, ChIP, Purification
HY-K0205 Protein L Magnetic Beads	200 nm	≥ 0.5 mg/mL	IP, Co-IP, ChIP, Purification
HY-K0206 Anti-c-Myc Magnetic Beads	200 nm	> 0.5 mg/mL	IP, Protein Purification
HY-K0207 Anti-Flag Magnetic Beads	200 nm	> 0.6 mg/mL	IP, Co-IP, Purification
HY-K0208 Streptavidin Magnetic Beads	1 μm	> 2400 pmol/mg (Free Biotin) > 60 μg/mg (Biotin-IgG) > 1600 pmol/mg (Biotinylated oligonucleotides)	Purification, Protein interaction, IP, Cell isolation
HY-K0209 Anti-His Magnetic Beads	200 nm	> 0.5 mg/mL	IP, Co-IP, Purification
HY-K0222 Anti-GST Magnetic Beads	200 nm	> 0.6 mg/mL	IP, Co-IP, Purification
HY-K0223 Hydroxyl Magnetic Beads (200 nm, 10 mg/mL)	200 nm	-	Isolate nucleic acids
HY-K0224 Amino Magnetic Beads (200 nm, 10 mg/mL)	200 nm	-	Binding biomolecules
HY-K0225 Carboxyl Magnetic Beads (200 nm, 10 mg/mL)	200 nm	-	Binding biomolecules

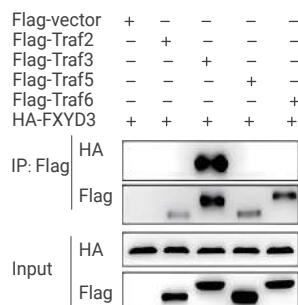


Product Name	BeadDiameter	Binding Capacity	Application
HY-K0226 CHO Magnetic Beads	200 nm	$\geq 100 \mu\text{g}/\text{mg}$	Binding biomolecules
HY-K0227 NHS Magnetic Beads	200 nm	$\geq 100 \mu\text{g}/\text{mg}$	Binding biomolecules
HY-K0228 Oligo (dT) ₃₀ Magnetic Beads	200 nm	$\sim 3 \mu\text{g}/\text{mg}$	Isolating mRNA

Advantages

- Stable Product
- High Binding Capacity
- Strong Specificity
- Sample Saving
- Convenient Operation

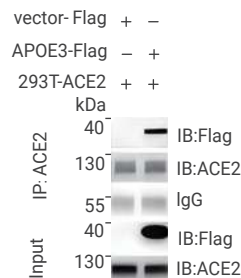
Customer Validations



HY-K0201 Anti-HA Magnetic Beads

IP for HA-tag protein from HEK293T cells.

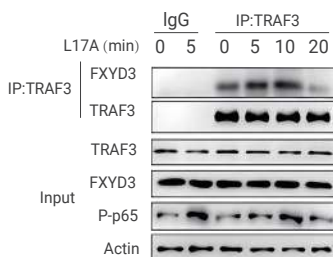
(Usage Cited in Cell Mol Immunol. 2023 Mar;20(3):292-304.)



HY-K0207 Anti-Flag Magnetic Beads

Co-IP for APOE3 and ACE2 protein from 293T cells.

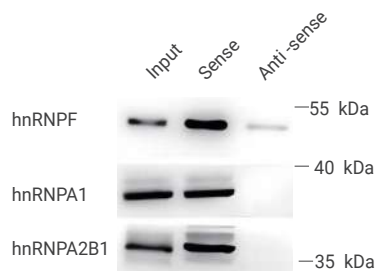
(Usage Cited in ACS Nano. 2023 Feb 14;17(3):2537-2553.)



HY-K0202 Protein A/G Magnetic Beads

IP analysis demonstrating IL-17 stimulates expression of FXYD3 and TRAF3 in primary epidermal keratinocytes or HaCaT cells.

(Usage Cited in Cell Mol Immunol. 2023 Mar;20(3):292-304.)



HY-K0208 Streptavidin Magnetic Beads

Biotinylated sense and antisense RNAs pull down hnRNP F, A1, and A2B1 proteins.

(Usage Cited in Nat Commun. 2023 Mar 30;14(1):1731.)



Multifunctional Magnetic Stand—The Perfect Partner for Magnetic Beads

The Magnetic Stand is optimized for the efficient separation of all types of MCE Magnetic Beads, with sample volumes ranging from 200 μ L to 15 mL.

Advantages

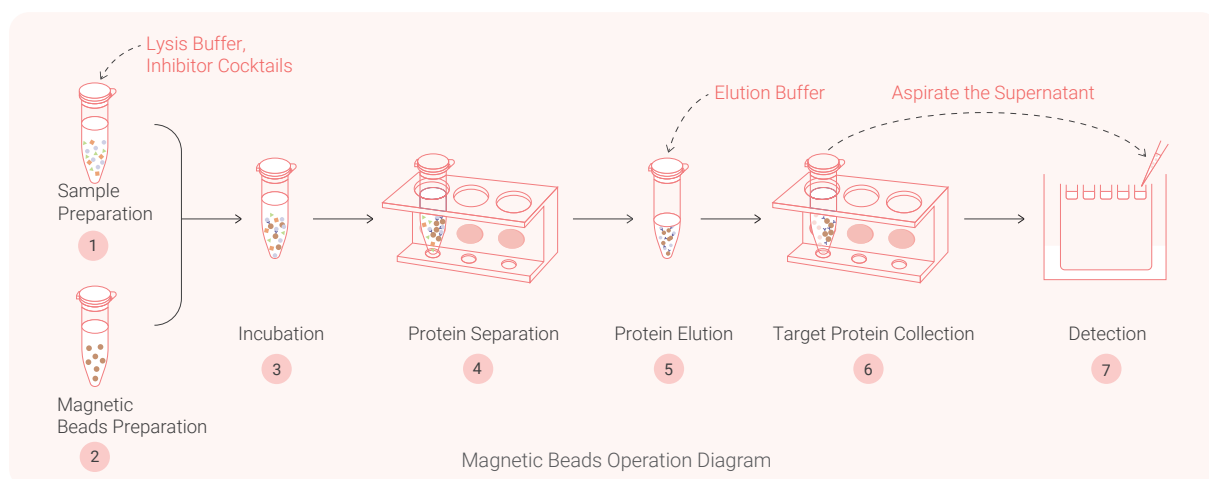
- Suitable for 1.5 mL/2.0 mL EP tubes, 200 μ L PCR tubes and 15 mL centrifuge tubes
- Unique sandwich structure perfectly secures sample tubes for batch operations
- Strong magnetic core to achieve fast and efficient separation
- Flexible and sturdy, an excellent helper for IP/Co-IP/ChIP



Cat. No.	Product Name	Size	Application
HY-K0200	Magnetic Stand	200 μ L-2 mL-15 mL	IP, Co-IP, ChIP, Protein Purification, Cell Isolation

Magnetic Bead Usage Protocol

- Sample Preparation:** Depending on experimental requirements, choose an appropriate method to prepare samples, such as sonication or RIPA. We recommend enhancing the protein stability by adding protease/kinase inhibitors (HY-K0010, HY-K0017, etc.) during sample preparation. multiple samples can be processed simultaneously.
- Magnetic Beads Preparation:** Take an appropriate amount of magnetic beads suspension, wash magnetic beads with washing buffer. Perform magnetic separation, and discard the supernatant.
- Incubation:** Add the sample to the magnetic beads with appropriate ratio, and incubate.
- Protein Separation:** Perform magnetic separation to obtain magnetic beads containing the target protein.
- Protein Elution:** Choose an appropriate elution method according to downstream experiments.
- Collect the target protein:** Perform magnetic separation, and collect the supernatant for subsequent experiments.
- Detection:** SDS-PAGE, IP, Co-IP, etc.





Agarose Beads

Tagged protein purification medium. Capable of withstanding specific concentrations of reducing agents, denaturants, or coupling agents, enabling simple, rapid, and highly specific purification of tagged proteins.

Product Name	Binding Capacity	Application
HY-K0210 Ni-NTA His-Tag Purification Agarose	> 40 mg/mL Settled Resin	Protein Purification
HY-K0211 Glutathione Agarose	> 10 mg/mL Settled Resin	Protein Purification pull down
HY-K0213 Protein A Agarose	> 20 mg/mL Settled Resin	Protein Purification
HY-K0214 Protein G Agarose	> 20 mg/mL Settled Resin	Protein Purification
HY-K0215 Protein L Agarose	> 15 mg/mL Settled Resin	Protein Purification
HY-K0217 Anti-Flag Affinity Gel	> 1.1 mg/mL Settled Resin	Protein Purification
HY-K0218A Streptavidin Agarose 6FF	> 200 nmol of D-Biotin/mL Settled Resin	Protein Purification
HY-K0219 High-Affinity Iodoacetyl Agarose	> 3 mg Goat IgG/mL settled resin	Protein Purification

Magnetic Agarose Beads

Magnetic Agarose Beads feature high capacity, high specificity, and stability, suitable for detection and purification of target proteins, as well as for immunoprecipitation (IP) and co-immunoprecipitation (Co-IP) experiments.

Product Name	Bead Diameter	Bead Volume	Binding Capacity	Application
HY-K0234 Glutathione Magnetic Agarose Beads	30-100 μm	20% of Suspension Volume	5-10 mg/mL	Pull-down, Purification
HY-K0236 Anti-GFP Magnetic Agarose Beads	30-100 μm	20% of Suspension Volume	≥ 1 mg/mL	IP, Co-IP, Purification
HY-K0237 Anti-HA Magnetic Agarose Beads	30-100 μm	20% of Suspension Volume	≥ 1 mg/mL	IP, Co-IP, Purification
HY-K0240 Ni-IDA Magnetic Agarose Beads	30-100 μm	50% of Suspension Volume	> 20 mg/mL	IP, Co-IP, Purification
HY-K0241 Ni-NTA Magnetic Agarose Beads	30-100 μm	50% of Suspension Volume	> 20 mg/mL	IP, Co-IP, Purification



Advantages

- High Protein-Binding Capacity
- Sample Saving
- Strong Specificity, Low non-Specific Binding

Customer Validations



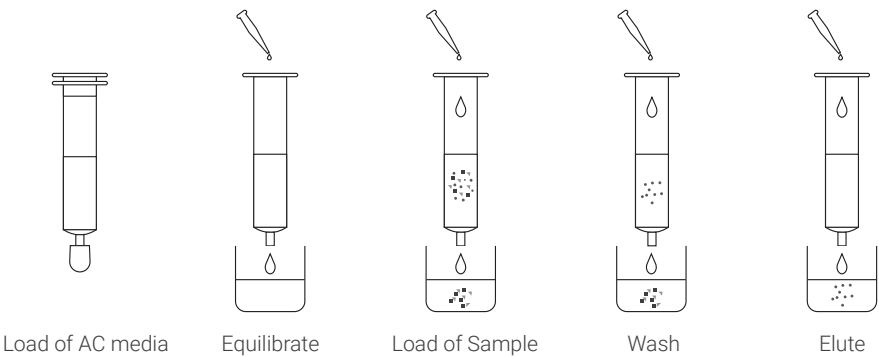
HY-K0211 Glutathione Agarose
GST pull-down assays to detect ACE2-RBD association in vitro.
(Usage Cited in J Med Virol. 2022 Sep 16.)

HY-K0210 Ni-NTA His-Tag Purification Agarose
Eleven CPPs-SOD1s were expressed, purified by Ni-NTA beads, and detected by Coomassie brilliant blue staining (upper panel) and Western blot (lower panel).
(Usage Cited in Oxid Med Cell Longev. 2021 Aug 21;2021:5526053.)

Affinity Chromatography Columns

Cat. No.	Product Name	Package
HY-K0221-1 mL	Affinity Chromatography Column-1 mL	10 pcs
HY-K0221-3 mL	Affinity Chromatography Column-3 mL	10 pcs
HY-K0221-6 mL	Affinity Chromatography Column-6 mL	10 pcs
HY-K0221-12 mL	Affinity Chromatography Column-12 mL	10 pcs
HY-K0221-30 mL	Affinity Chromatography Column-30 mL	5 pcs
HY-K0221-60 mL	Affinity Chromatography Column-60 mL	5 pcs

Affinity Chromatography Column Handling Methods



MCE kit

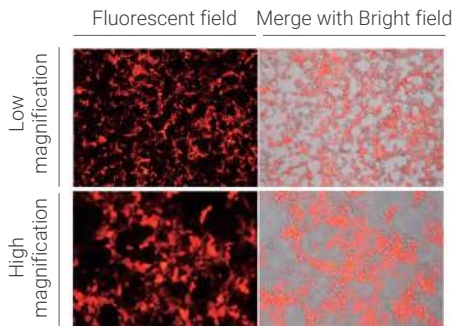
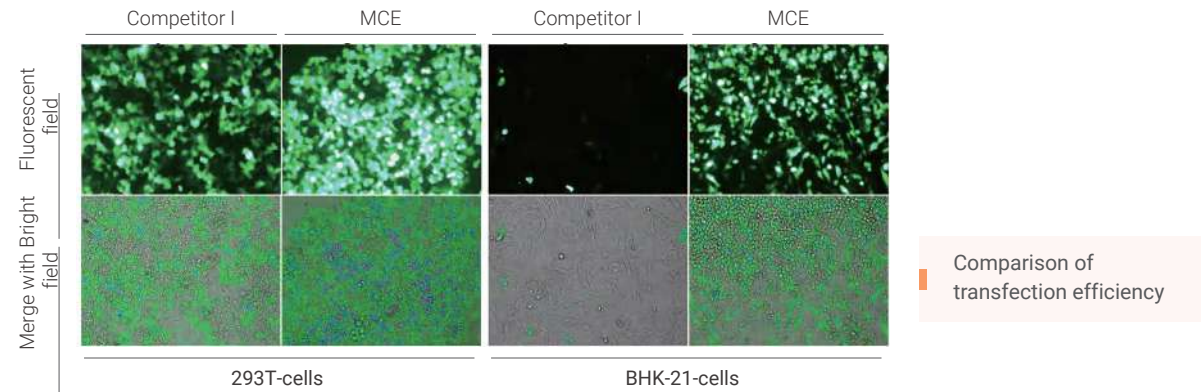
- Transfection Reagent
Cell Proliferation and Cytotoxicity Assay Kits

Cell Apoptosis Related Kits
Cell Isolation

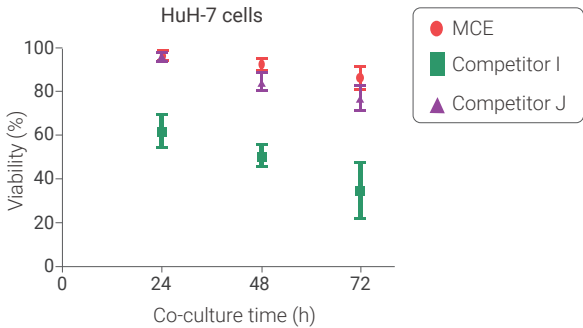
Transfection Reagent

Cat. No.	Product Name	Cat. No.	Product Name
HY-K1014	PolyFast Transfection Reagent	HY-K2015	Lentivirus Transfection Reagent
HY-K2014	PEI Transfection Reagent	HY-K2016	Prtein Transfection Reagent

Advantages: High transfection efficiency & Low cytotoxicity (HY-K1014)



Note: pcDNA3-C-RFP Plasmid (2.5 μg)/PolyFast Transfection Reagent (7.5 μL)/24 h





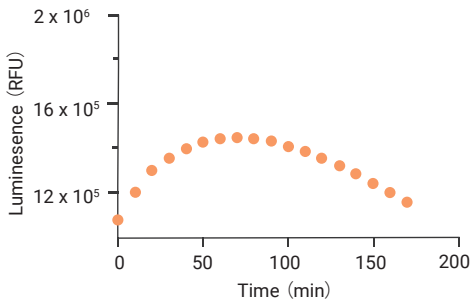
Cell Proliferation and Cytotoxicity Assay Kits

Application	Cat. No.	Product Name
Application	HY-K0301	Cell Counting Kit-8
	HY-K1090	Cytotoxicity LDH Assay Kit
	HY-K0302	Cell-ATP Viability Detection Kit

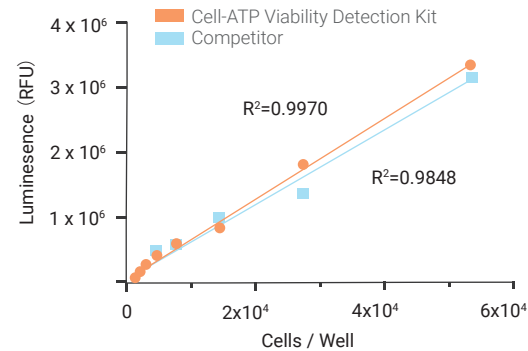
Cell-ATP Viability Detection Kit

- **Cell Line:** HEK293T
- **Test Results:** In the luminescence stability test, the luminescent signal remains relatively stable within 3 h.

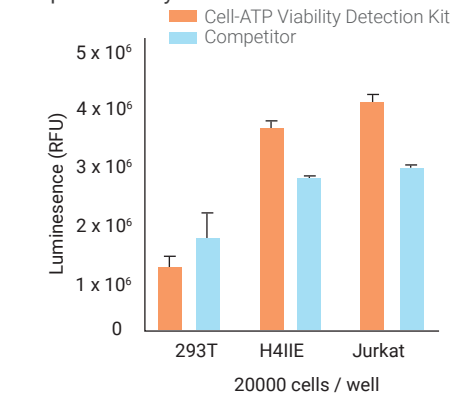
Stable Luminescent Output
Cell Line: HEK293T



Superb Linearity



Competitor Analysis



$R^2 = 0.9970$
Cell Line: HEK293T

Cell Line: HEK293T, H4IIE cells, Jurkat cells



Cytotoxicity LDH Assay Kit LDH

Cell Line: THP-1

Culture Condition: DMEM + 10% FBS, fixed-time sampling detection.

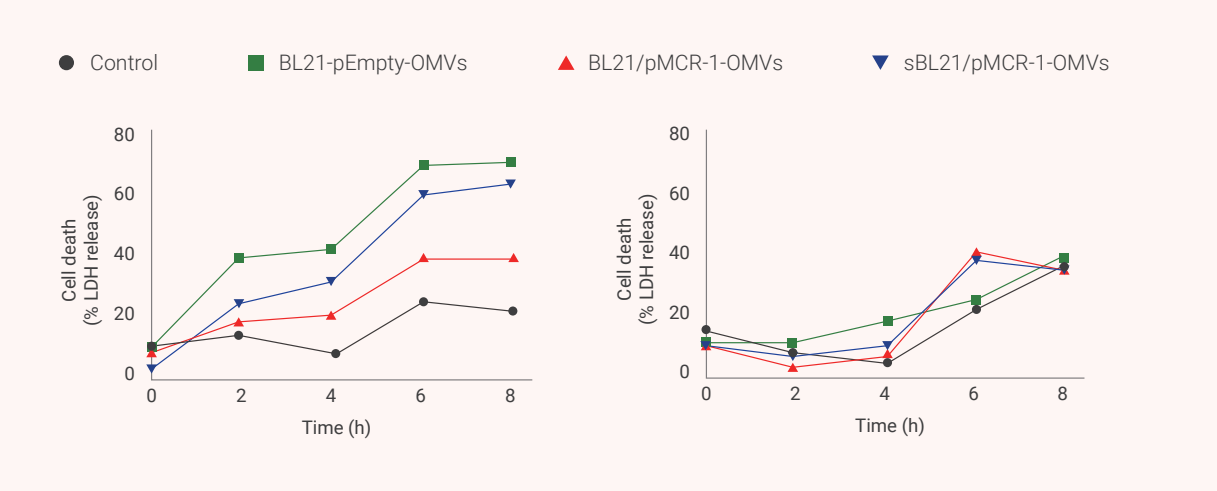
Test Results: Endogenous OMVs from BL21/pMCR-1 cannot induce cell pyroptosis and caspase-1 activation.

Customer Verification MCE Products

JC-1 Assay Kit (HY-K0601)

Cytotoxicity LDH Assay Kit (HY-K1090)

Microb Biotechnol. 2023 Sep;16(9):1755-1773.



Cell Counting Kit-8

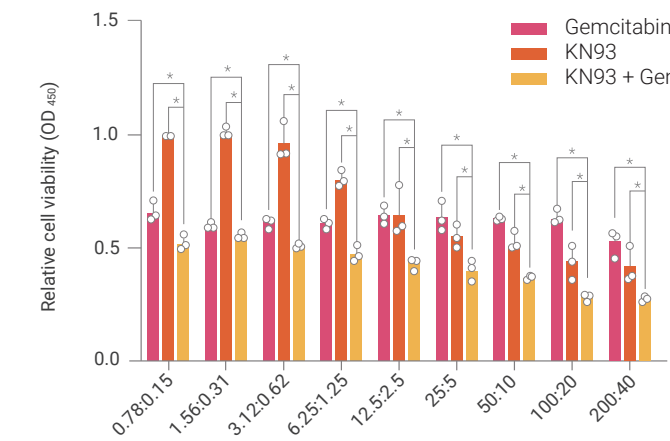
Cat. No: HY-K0301

Cell Counting Kit-8 (CCK-8) is a convenient, nonradioactive and one-step ready-to-use assay kit for determining the number of viable cells in cell proliferation and cytotoxicity assays.

Cell Line: CCLP1 cells

Culture Condition: DMEM + 10% FBS + 1% Amphotericin B/Penicillin/Streptomycin, sampling after 1-2 h

Test Results: KN93 Enhances the Sensitivity of CCLP1 Cells to Gemcitabine.



Customer Verification MCE Products

CCK-8 reagent (HY-K0301)

Anti-flag Beads (HY-K0207)

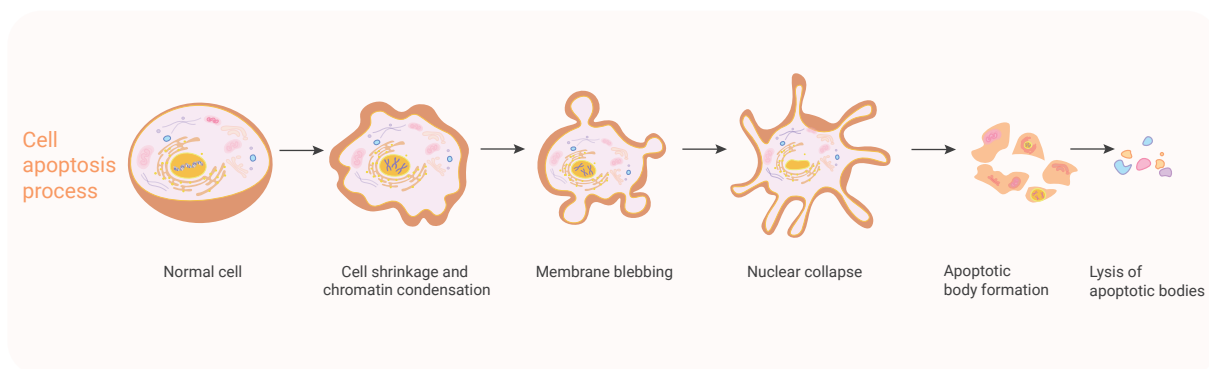
Cycloheximide (HY-12320)

Signal Transduct Target Ther. 2024 Mar 8;9(1):63.



Cell Apoptosis Related Kits

Apoptosis is a form of programmed cell death that occurs in multicellular organisms.



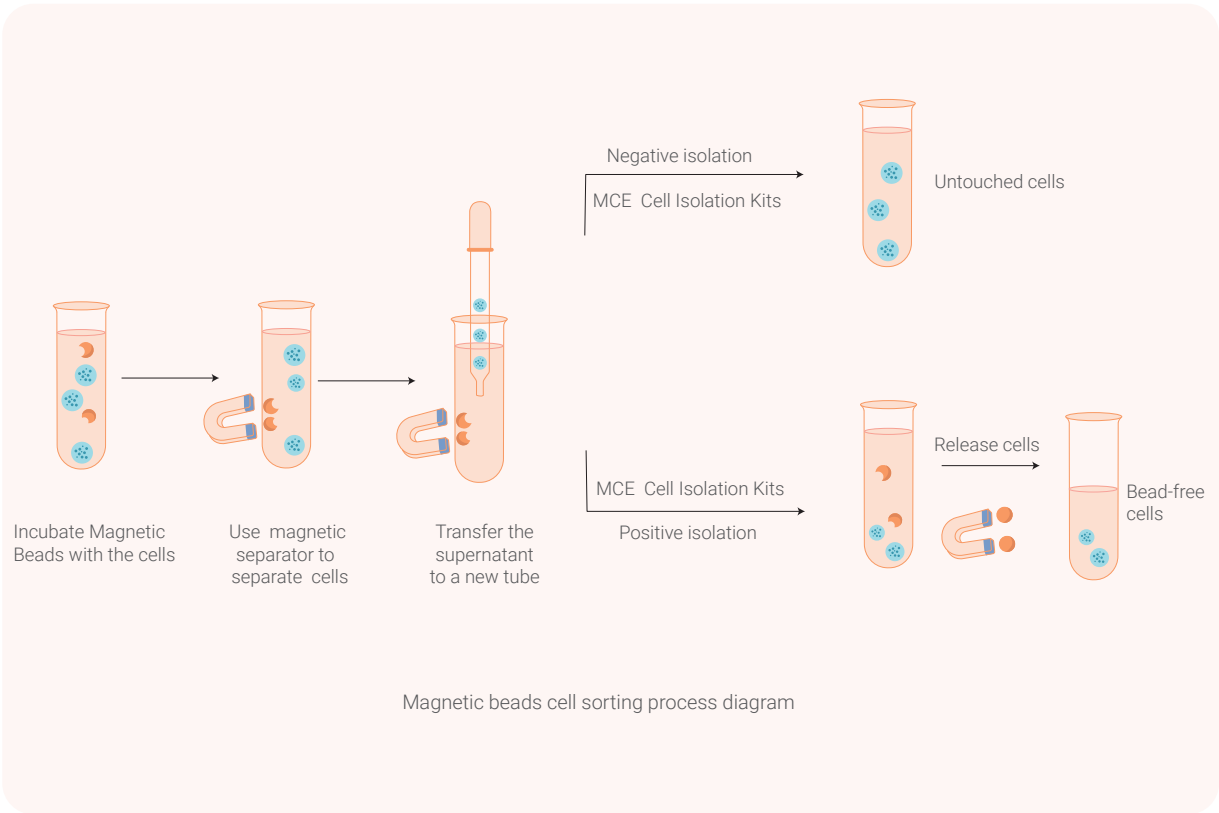
There are many methods have been developed to detect apoptosis which can be roughly divided into three categories based on cell morphology, biological function and biochemical markers.

Product Name	Dyes	Description
HY-K1070 Apoptosis and Necrosis Assay Kit	Hoechst 33342 PI	Nuclear staining
HY-K1071 Cell Cycle and Apoptosis Analysis Kit (PI staining)	PI	Nuclear staining
HY-K1072 Cell Apoptosis Analysis Kit (Hoechst staining)	Hoechst 33258	Nuclear staining
HY-K1073 Annexin V-FITC/PI Apoptosis Detection Kit	FITC PI	Phosphatidylserine (PS) Exposure
HY-K1074 Annexin V-EGFP/PI Apoptosis Detection Kit	EGFP PI	Phosphatidylserine (PS) Exposure
HY-K1075 Annexin V-PE Apoptosis Detection Kit	PE	Phosphatidylserine (PS) Exposure
HY-K1077 Annexin V-mCherry/SYTOX Green Apoptosis Detection Kit	mCherry SYTOX Green	Phosphatidylserine (PS) Exposure
HY-K0601 JC-1 Mitochondrial Membrane Potential Assay Kit	JC-1	Mitochondrial Membrane Potential
HY-K1078 One Step TUNEL Apoptosis Detection Kit (FITC)	FITC	DNA Fragmentation (TUNEL Method)
HY-K1080 Annexin V-iFluor 488/PI Apoptosis Detection Kit	iF 488	Phosphatidylserine (PS) Exposure



Cell Isolation

Cat. No.	Product Name	Application
HY-K0304	Human CD3 ⁺ T Cells Negative Selection Kit	Cells Negative Selection
HY-K0305	Human CD34 ⁺ Cells Negative Selection Kit	Cells Negative Selection
HY-K0306	Mouse CD3 ⁺ T Cells Negative Selection Kit	Cells Negative Selection
HY-K0307	Mouse CD4 ⁺ T Cells Negative Selection Kit	Cells Negative Selection
HY-K0308	Mouse CD4 ⁺ Cell Positive Selection Kit	Cells Positive Selection
HY-K0309	Mouse CD8 ⁺ T Cells Negative Selection Kit	Cells Negative Selection
HY-K0310	Mouse CD8 ⁺ Cell Positive Selection Kit	Cells Positive Selection





Inhibitory Antibodies

MedChemExpress (MCE) Inhibitory Antibodies are research-grade biosimilar antibodies that have the same bioactive component as the original therapeutic antibodies. Biosimilar makes it possible to study the biological effects of a drug. These antibodies bind specifically to target cells or proteins, either stimulating the immune system to attack the malignant tumor cells or preventing tumor growth by blocking specific cell receptors. Target proteins include CD20, HER2, EGFR, VEGFR, TNF-alpha, etc. MCE Inhibitory Antibodies have been extensively used in the most popular research fields, such as cancer, immunology and infection.

Product Advantages



Broad target coverage



High specificity

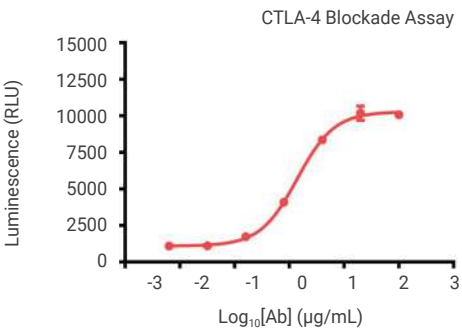
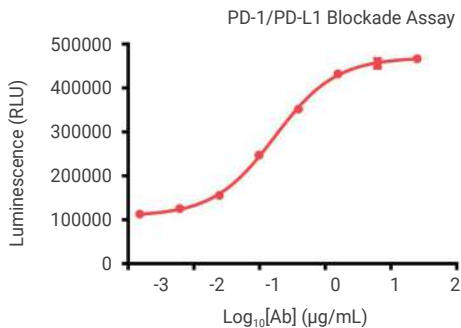
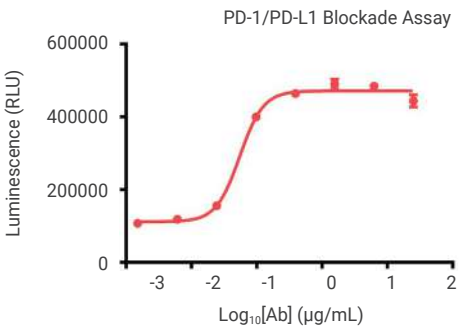
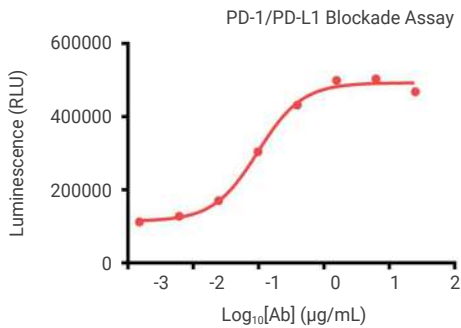


Strong blocking activity



Exclusive activity validation

Blockade Bioassay Validations



Biosimilar

Cat. No.	Drug Name	Species	Isotype	Target
HY-P99009	Batoclimab	Homo sapiens	IgG1 - lambda2	FCGRT
HY-P9905	Cetuximab	Chimeric	IgG1 - kappa	EGFR
HY-P9907	Trastuzumab	Humanized	IgG1 - kappa	ERBB2
HY-P9906	Bevacizumab	Humanized	IgG1 - kappa	VEGFA
HY-P99054	Tusamitamab	Chimeric	IgG1 - kappa	CEACAM5
HY-P99013	Codrituzumab	Humanized	IgG1 - kappa	GPC3
HY-P99043	Rovalpituzumab	Humanized	IgG1 - kappa	DLL3
HY-P99168	Anifrolumab	Homo sapiens	IgG1 - kappa	IFNAR1
HY-P99274	Xentuzumab	Homo sapiens	IgG1 - lambda2	IGF2
HY-P9904	Atezolizumab	Humanized	IgG1 - kappa	CD274
HY-P9913	Rituximab	Chimeric	IgG1 - kappa	MS4A1
HY-P99242	Alsevalimab	Homo sapiens	IgG1 - kappa	VTCN1
HY-P9929	Bezlotoxumab	Homo sapiens	IgG1 - kappa	toxin B
HY-P99304	Lumretuzumab	Humanized	IlgG1 - kappa	ERBB3
HY-P99280	Bimekizumab	Humanized	IgG1 - kappa	IL17A
HY-P99634	Gatipotuzumab	Humanized	IgG1 - kappa	MUC1
HY-P9912	Pertuzumab	Humanized	IgG1 - kappa	ERBB2
HY-P99039	Oleclumab	Homo sapiens	IgG1 - lambda2	NT5E
HY-P99854	Disitamab	Humanized	IgG1 - kappa	ERBB2
HY-P99711	Loncastuximab	Chimeric	IgG1 - kappa	CD19
HY-P99275	Patritumab	Homo sapiens	IgG1 - kappa	ERBB3
HY-P9966	Enoblituzumab	Humanized	IgG1 - kappa	CD276
HY-P99269	Sibrotuzumab	Humanized	IgG1 - kappa	FAP
HY-P99271	Tisotumab	Homo sapiens	IgG1 - kappa	F3
HY-P9927	Secukinumab	Homo sapiens	IgG1 - kappa	IL17A
HY-P99248	Risankizumab	Humanized	IgG1 - kappa	IL23A
HY-P99014	Cusatuzumab	Humanized	IgG1 - lambda2	CD70
HY-P99451	Avizakimab	Humanized	IgG1 - kappa	IL21
HY-P9948	Alemtuzumab	Humanized	IgG1 - kappa	CD52
HY-P99023	Girentuximab	Chimeric	IgG1 - kappa	CA9
HY-P9931	Guselkumab	Homo sapiens	IgG1 - lambda2	IL23A
HY-P99058	Zolbetuximab	Chimeric	IgG1 - kappa	CLDN18



Cat. No.	Drug Name	Species	Isotype	Target
HY-P9928	Alirocumab	Homo sapiens	IgG1 - kappa	PCSK9
HY-P99225	Mirvetuximab	Chimeric	IgG1 - kappa	FOLR1
HY-P99191	Emapalumab	Homo sapiens	IgG1 - lambda2	IFNG
HY-P9910	Obinutuzumab	Humanized	IgG1 - kappa	MS4A1
HY-P99045	Sacituzumab	Humanized	IgG1 - kappa	TACSTD2
HY-P9919	Durvalumab	Homo sapiens	IgG1 - kappa	CD274
HY-P9952	Belimumab	Homo sapiens	IgG1 - lambda2	TNFSF13B
HY-P99245	Emactuzumab	Humanized	IgG1 - kappa	CSF1R
HY-P99355	Bimagrumab	Homo sapiens	IgG1 - lambda2	ACVR2B
HY-P99201	Zilovertamab	Humanized	IgG1 - kappa	ROR1
HY-108738	Daclizumab	Humanized	IgG1 - kappa	IL2RA
HY-P9915	Daratumumab	Homo sapiens	IgG1 - kappa	CD38
HY-P99689	Lecanemab	Chimeric/Humanized	IgG1 - kappa	APP
HY-P99153	Farletuzumab	Humanized	IgG1 - kappa	FOLR1
HY-108730	Avelumab	Homo sapiens	IgG1 - lambda	CD274
HY-P9950	Omalizumab	Humanized	IgG1 - kappa	IGHE
HY-P99239	Rosopatamab	Chimeric	IgG1 - kappa	FOLH1

Mouse Inhibitory Antibodies

Cat. No.	Drug Name	Isotype	Target
HY-P99122	Anti-Mouse CD209b Antibody (22D1)	Armenian Hamster IgG	CD209b
HY-P99123	Anti-Mouse CD28 Antibody (37.51)	Syrian Hamster IgG2	CD28
HY-P99124	Anti-Mouse CD3 Antibody (17A2)	Rat IgG2b	CD3
HY-P99125	Anti-Mouse CD32/CD16 Antibody (2.4G2)	Rat IgG2b	CD32/CD16
HY-P99126	Anti-Mouse CD44 Antibody (IM7)	Rat IgG2b	CD44
HY-P99128	Anti-Mouse CD8 beta Antibody (53-5.8)	Rat IgG1	CD8 beta
HY-P99129	Anti-Mouse CD8a Antibody (53-6.7)	Rat IgG2a	CD8a
HY-P99132	Anti-Mouse CTLA-4 Antibody (9D9)	Mouse IgG2b	CTLA-4
HY-P99136	Anti-Mouse IFN gamma Antibody (H22)	Armenian Hamster IgG	IFN gamma
HY-P99137	Anti-Mouse IFNAR1 Antibody (MAR1-5A3)	Mouse IgG1	IFNAR1
HY-P99139	Anti-Mouse IL-1b Antibody (B122)	Armenian Hamster IgG	IL-1b
HY-P99140	Anti-Mouse IL-1R Antibody (JAMA-147)	Armenian Hamster IgG	IL-1R
HY-P99141	Anti-Mouse LAG-3 Antibody (C9B7W)	Rat IgG1	LAG-3

Cat. No.	Drug Name	Isotype	Target
HY-P99142	Anti-Mouse Ly-6G/Ly-6C Antibody (RB6-8C5)	Rat IgG2b	Ly-6G/Ly-6C
HY-P99143	Anti-Mouse NK1.1 Antibody (PK136)	Mouse IgG2	NK1.1
HY-P99144	Anti-Mouse PD-1 Antibody (RMP1-14)	Rat IgG2a	PD-1
HY-P99145	Anti-Mouse PD-L1 Antibody (10F.9G2)	Rat IgG2b	PD-L1
HY-P99146	Anti-Mouse TCR gamma/delta Antibody (UC7-13D5)	Armenian Hamster IgG	TCR gamma/delta
HY-P99148	Anti-Mouse TNF alpha Antibody (TN3-19.12)	Armenian Hamster IgG	TNF alpha
HY-P99149	Anti-Mouse TNFR2 Antibody (TR75-54.7)	Armenian hamster IgG	TNFR2
HY-P99999	Anti-Mouse CD4 Antibody (YTS 191)	Rat IgG2b	CD4

Bispecific Inhibitory Antibodies

Cat. No.	Drug Name	Species	Target
HY-P9977	Amivantamab	Homo sapiens	EGFR & MET
HY-P99011	Cibisatamab	Humanized	CD3E & CEACAM5
HY-P99024	Glofitamab	Humanized	CD3E & MS4A1
HY-P99618	Fidasimtamab	Homo sapiens/Humanized	ERBB2 & PDCD1
HY-P99038	Odronextamab	Homo sapiens	CD3E & MS4A1
HY-P99841	Dalutrafusp alfa	Humanized	TGFB1 & TGFB3
HY-P99166	Vudalimab	Chimeric Humanized	CTLA4 & PDCD1
HY-P99339	Tebentafusp	Humanized	CD3E & PMEL
HY-P99350	Gresonitamab	Homo sapiens/Chimeric/Humanized	CD3E & CLDN18
HY-P99380	Zanidatamab	Humanized	ERBB2
HY-P99392	Teclistamab	Homo sapiens/Chimeric	CD3E & TNFRSF17
HY-P99394	ATalquetamab	Chimeric/Humanized	CD3E & GPRC5D
HY-P9940	Emicizumab	Humanized	F9 & F10
HY-P99419	Acasunlimab	Homo sapiens/Humanized	TNFRSF9 & CD274
HY-P99455	Bafisontamab	Homo sapiens/Humanized	EGFR & MET
HY-P99517	Voxalatamab	Homo sapiens/Chimeric Humanized	CD3E & FOLH1
HY-P99573	Tebotelimab	Humanized	PDCD1 & LAG3
HY-P99575	Tarlatamab	Chimeric/Humanized	D3E & DLL3
HY-P99592	Solitomab	Mus musculus	CD3E & EPCAM
HY-P9963	Blinatumomab	Mus musculus	CD19 & CD3E
HY-P99638	Gefurulimab	Chimeric	C5 & ALB
HY-P99614	Fazpilodemab	Chimeric/Humanized	FGFR1& KLB



Cat. No.	Drug Name	Species	Target
HY-P99663	Inezetamab	Homo sapiens	CD40 & MSLN
HY-P99676	Izalontamab	Chimeric/Humanized	EGFR & ERBB3
HY-P99330	Vanucizumab	Humanized	VEGFA & ANGPT2
HY-P99721	Lutikizumab	Humanized	IL1B & IL1A
HY-P99757	Nivatrotamab	Chimeric/Humanized	CD3E & ganglioside GD2
HY-P99814	Pavurutamab	Chimeric/Humanized	CD3E & TNFRSF17
HY-P99507	Zenocutuzumab	Humanized	ERBB2 & ERBB3
HY-P99033	Mosunetuzumab	Humanized	CD3E & MS4A1
HY-P99931	Epcoritamab	Homo sapiens/Chimeric	CD3E & MS4A1
HY-P99390	Tepoditamab	Homo sapiens	CD3E & CLEC12A
HY-P99116	Faricimab	Homo sapiens/Humanized	VEGFA & ANGPT2
HY-P99940	Remtolumab	Homo sapiens	TNF & IL17A

Fusion Proteins

Cat. No.	Drug Name	Species	Target
HY-108829	Abatacept	Homo sapiens	CD80 & CD86
HY-108847	Etanercept	Homo sapiens	TNF
HY-P99530	Valanafusp alfa	Chimeric	INSR
HY-P99339	Tebentafusp	Humanized	CD3E & PMEL
HY-P99429	Alefacept	Homo sapiens	CD2
HY-P99445	Asunercept	Homo sapiens	FASLG
HY-P99446	Atacicept	Homo sapiens	TNFSF13 & TNFSF13B
HY-P99459	Baminercept	Homo sapiens	LTA & LTB & TNFSF14
HY-P99463	Batiraxcept	Homo sapiens	GAS6
HY-P99568	Telitacicept	Homo sapiens	TNFSF13B
HY-P99590	Sotatercept	Homo sapiens	INHBA
HY-P99661	Inbakicept	Homo sapiens	IL15
HY-P99665	Insulin efsitora alfa	Homo sapiens	INSR
HY-P99720	Luspatercept	Homo sapiens	GDF11
HY-P99744	Modakafusp alfa	Humanized	CD38
HY-P99752	Nemvaleukin alfa	Homo sapiens	IL2RA
HY-P99766	Olamkicept	Homo sapiens	IL6
HY-P99879	Efbemalenograstim alfa	Homo sapiens	CSF3R



Cat. No.	Drug Name	Species	Target
HY-P99930	Efruxifermin	Homo sapiens	FGFR1
HY-P99933	Eftilagimod alfa	Homo sapiens	MH2
HY-P99687	Latikafusp	Homo sapiens	IL21R

Isotype Control

Cat. No.	Drug Name
HY-P99002	Human IgG2 kappa, Isotype Control
HY-P99977	Mouse IgG1 kappa, Isotype Control
HY-P99994	Human IgG1 (N297A) kappa, Isotype Control
HY-P99978	Mouse IgG2a kappa, Isotype Control
HY-P99998	Human IgG1 (F405L) kappa, Isotype Control
HY-P99979	Rat IgG1 kappa, Isotype Control
HY-P99003	Human IgG4 kappa, Isotype Control
HY-P99988	Human IgG4 (S228P) kappa, Isotype Control
HY-P99001	Human IgG1 kappa, Isotype Control
HY-P99980	Rabbit IgG1 kappa, Isotype Control
HY-P99981	Mouse IgG2c kappa, Isotype Control
HY-P99982	Mouse IgG2b kappa, Isotype Control
HY-P99983	Mouse IgG1 (D265A) kappa, Isotype Control
HY-P99984	Mouse IgG1 (N297A) kappa, Isotype Control
HY-P99985	Mouse IgG3 kappa, Isotype Control
HY-P99986	Mouse IgG2a (D265A) kappa, Isotype Control
HY-P99987	Human IgG4 (S228P) lambda1, Isotype Control
HY-P99990	Human IgG3 kappa, Isotype Control
HY-P99992	Human IgG1 lambda1, Isotype Control
HY-P99993	Human IgG1 (S239D/I332E) kappa, Isotype Control
HY-P99995	Human IgG1 (K214R) kappa, Isotype Control
HY-P99996	Human IgG1 (D265A) kappa, Isotype Control
HY-P99997	Human IgG1 (D270N) kappa, Isotype Control



Peptides

Catalog Peptides

Custom Peptide Synthesis

Peptides are often used in functional analysis, antibody research, vaccine research and especially in the field of drug research and development. Peptides have a variety of biological functions, such as, anti-thrombosis, anti-hypertension, antibacteria, antiviral, anticancer and antioxidation, immunoregulation, and cholesterol- lowering effects.

MedChemExpress (MCE) offers a wide range of tag peptides, amino acid derivatives, blocking peptides, and bioactive peptides to customers.

Advantages

- Innovation and diversification
- High purity and excellent activity
- Strict Quality Assurance
- In-stock and fast delivery
- Professional technical support

Applications

- Disease pathogenesis research
- Drug research and development
- Protein structure and modification study
- Cosmetic and food applications
- Enzyme specificity and enzymatic mechanisms
- Antibody and vaccine development

Inhibitors and Substrates

Cat. No.	Product Name	Information
HY-A0190	Ceruletide	Ceruletide is a decapeptide and a potent cholecystokinin receptor agonist.
HY-P0175	740 Y-P	740 Y-P is a potent and cell-permeable PI3K activator.
HY-P1180A	Pam3CSK4 TFA	Pam3CSK4 is a toll-like receptor 1/2 (TLR1/2) agonist.
HY-P1410	GsMTx4	GsMTx4 selectively inhibits cationic-permeable mechanosensitive channels (MSCs) belonging to the Piezo and TRP channel families.
HY-P3400	LQVTDGSLYRCVIYHPP	LQVTDGSLYRCVIYHPP (LP17) is a TREM-1 inhibitory peptide.



Therapeutic Peptides

Cat. No.	Product Name	Information
HY-13948	Angiotensin II (human)	Angiotensin II is a vasoconstrictor and a major bioactive peptide of the renin/angiotensin system.
HY-13443	Exendin-4	Exendin-4 (Exenatide) is a long-acting glucagon-like peptide-1 receptor agonist
HY-P0036	Octreotide	Octreotide is a somatostatin receptor agonist.
HY-P0052	Enfuvirtide	Enfuvirtide is an anti-HIV-1 fusion peptide.

Peptides for Drug Delivery

Cat. No.	Product Name	Information
HY-P0023	Cyclo(-RGDfK)	Cyclo(-RGDfK) is a potent and selective inhibitor of the $\alpha v \beta 3$ integrin.
HY-P0281	TAT	TAT (YGRKKRRQRRR) is a cell-penetrating peptide.
HY-P4108	TAT-HA2 fusion peptide	TAT-HA2 Fusion Peptide enhances cellular uptake of macromolecules.
HY-106244	DOTATATE	DOTATATE is a DOTA-conjugated peptide and can be labelled with radionuclides for cancer imaging and cancer therapy.

Hormones and Neuropeptides

Cat. No.	Product Name	Information
HY-P003	Insulin (human)	Insulin (human) is a polypeptide hormone that regulates the level of glucose.
HY-P0054	GLP-1 amide, acetate	GLP-1(7-36) amide is a major bioactive form of GLP-1.
HY-P0198	Neuropeptide Y (human,rat,mouse)	Neuropeptide Y is a neurotransmitter widely distributed in the mammalian CNS.
HY-P0201	Substance P	Substance P is a neurotransmitter and a neuromodulator in the CNS.

β -Amyloid Peptides

Cat. No.	Product Name	Information
HY-P0128	β -Amyloid(25-35)	β -Amyloid (25-35) is a β -Amyloid fragment and has neurotoxicity for neuron cells .
HY-P0128	β -Amyloid(1-42) TFA	β -Amyloid (1-42) is a primary β -Amyloid fragment in plaques found in the brains of patients with Alzheimer's disease.
HY-P0256A	β -Amyloid (1-40) (TFA)	β -Amyloid (1-40) is a primary β -Amyloid fragment in plaques found in the brains of patients with Alzheimer's disease.



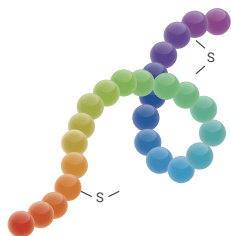
Tag Peptides

Cat. No.	Product Name	Information
HY-P0223	FLAG peptide	FLAG peptide is a fusion tag used for purification of recombinant proteins.
HY-P0319	3× FLAG peptide	3X FLAG peptide is a FLAG-tagged peptide with three repeats of Asp-Tyr-Lys-Xaa-Xaa-Asp motif.
HY-P0239	HA Peptide	HA Peptide is used to isolate, purify, detect, and track the protein of interest.
HY-P5491	3X HA Tag	3X HA Tag is used to detect proteins and peptides, and to facilitate functional analysis of proteins of interest.

Custom Peptide Synthesis

● Standard Peptide Synthesis:

Flexible Quantities and Purities

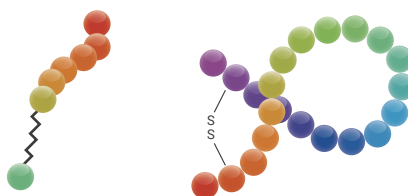


● Peptide Libraries:

Fast, Precise and Novel

● Peptide Modifications:

Phosphorylation, Methylation, Acetylation, and Amidation, etc.



● Recombinant Technologies:

More Options for Length, Sequence and Size

Flexible Quantities:	from mg to kg.
Spectrum of Purities:	crude, desalted, 70% to 98% purity.
Latest Synthesis Technologies:	combination of solid phase and liquid phase synthesis, and microwave and ligation technologies.
Comprehensive Modifications:	More than 300 modifications ranging from phosphorylation, methylation, and cyclization to fluorescent labeling and peptide-drug conjugations.
Guaranteed Quality:	MS and HPLC analyses performed after the completion of synthesis, purification, and QC steps.
Reliable Technical Support:	MedChemExpress technical account managers and online resources provide the best service during the entire research cycle.

Dye Reagents

Cell Structure Dyes
Ion Indicators
ROS/RNS Probes

Cell Viability and Cell Death
Oligonucleotide / Protein Labeling
Fluorescent Enzyme Substrates

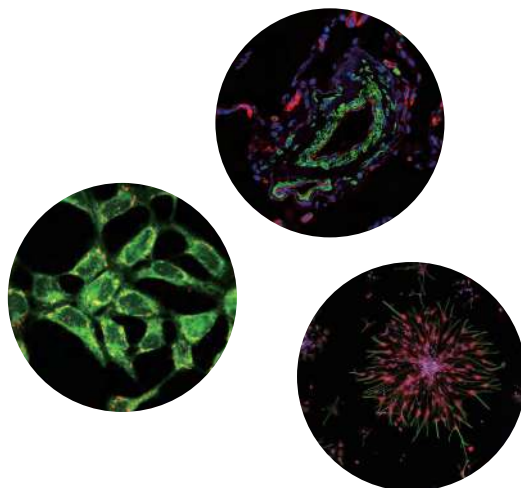
Dye Reagents are a class of aromatic hydrocarbons and heterocyclic compounds that can be excited through photoexcitation-fluorescence groups and emit fluorescence.

Applications

- Immunofluorescence, fluorescent probes, cell staining, ion indicators
- Specific DNA staining, for chromosome analysis, cell cycle, apoptosis and other related research
- Multiple staining makes it possible to assess the topographic relationship of different targets

Advantages

- High sensitivity
- High selectivity
- Cost-effective choice
- Strong technical support



Cell Structure Dyes

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
Membrane Probes				HY-K0902	Fluorescein Phalloidin	496	516
HY-D1028	DiD	644	665	HY-P7720	Phalloidin-TRITC	544	570
HY-D0083	DiI	549	565	Membrane Potential Probes			
HY-D0969	DiO	484	501	HY-101891	Di-8-ANEPPS	465	635
Fluorescent Cytosolic Tracers				HY-101892	DiBAC4(3)	490	516
HY-D0938	CFSE	485	535	HY-D0986	TMA-DPH	355	430
HY-D0974	Sulforhodamine B	565	586	Mitochondrial Membrane Potential Probes			
Actin-Binding Probes				HY-D0993	Acridine Orange 10-Nonyl Bromide	489	525
HY-K0901	AMCA Phalloidin	353	442	HY-D0084	DiOC6(3)	470	510



Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
HY-15534	JC-1	515/585	529/590	HY-D0996	LDS-751	543 (DNA)	712 (DNA)
HY-D0816	Rhodamine 123	503	527	HY-101879	Acridine Orange	500 (DNA)	526 (DNA)
HY-D0309	Rhodamine 6G	530	575	HY-110250	DFHBI	447	501
HY-D0985A	TMRE	550	575	HY-D0971	Pyronin Y	560	580
HY-D0984	TMRM	530	592	HY-D1020	7-Aminoactinomycin D	546	647
Nuclear Staining				HY-D0815	Propidium Iodide	530	625
HY-D0814	DAPI	358	461	Lysosome Staining			
HY-15558	Hoechst 33258	350	461	HY-D0166	Neutral Red	-	-
HY-15559	Hoechst 33342	350	461	HY-D1300	LysoTracker Red	577	590
HY-15560	Hoechst 34580	392	440	HY-D1296	Green DND-26	495	525

Ion Indicators

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
Ca²⁺ Indicators				HY-101883	BCECF-AM	490/440	535
HY-101898	Indo-1 AM	338	400/475	HY-D0023	HPTS	450/405	540
HY-D0716	Fluo-3 AM	506	526	Zn²⁺ Indicator			
HY-101896	Fluo-4 AM	494	516	HY-D0982	Zinquin	364	385
HY-D0989	Rhod-2 AM	540	575	Na⁺ Indicator			
Cl⁻ Indicators				HY-126831	SBFI-AM	340	395
HY-D0090	MQAE	350	460	K⁺ Indicator			
HY-D0936	SPQ	344	443	HY-D1435	Oxonol VI	532	630
pH Indicators				HY-136872	PBFI-AM	336	530

ROS/RNS Probes

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
ROS Probes				HY-D0079	Dihydroethidium	518	606
HY-101893	H ₂ FDA	490	514	HY-D1156A	HKSOX-1m (5/6-mixture)	502	520
HY-D0940	H ₂ DCFDA	488	525	RNS Probes			
HY-101859	NucPE1	488	538	HY-D0032	DAF2DA	495	515
HY-101894	Dihydrorhodamine 123	488	525	HY-D0717	DAF-FM DA	495	515

Cell Viability and Cell Death

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
Cell Viability				HY-D0041	Calcein-AM	495	515
HY-D0814	DAPI	358	461	HY-D1020	7-Aminoactinomycin D	546	647
HY-15559	Hoechst 33342	350	461	HY-D0815	Propidium Iodide	530	625

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
HY-D0970	Trypan Blue	-	-	Cell Proliferation			
Apoptosis				HY-15924	MTT	-	-
HY-101899	Monochlorobimane	394	490	HY-D0831	WST-8	-	-
HY-100041	Bromobimane	394	490	HY-D0996	LDS 751	543 (DNA)	712 (DNA)
HY-P1003	Ac-DEVD-AMC	400	530	Autophagy			
HY-P1005	Ac-DEVD-AFC	400	530	HY-D1027	Dansylcadaverine	335	518

Oligonucleotide / Protein Labeling

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
Cy Series				HY-15937	5(6)-FAM SE	494	519
HY-D0826	Sulfo-Cy2-SE	492	510	HY-15940	5(6)-FAM	494	519
HY-D0822	Sulfo-Cy3	555	570	HY-15941	5(6)-FITC	494	519
HY-D0823	Sulfo-Cy3-SE	555	570	HY-D0807	5-IAF	494	521
HY-D0818	Sulfo-Cy3-YNE	554	568	HY-66019	FITC	492	515
HY-D0819	Sulfo-Cy5-SE	649	670	HY-D0098	Fluorescein-5-maleimide	494	519
HY-D0832	Sulfo-Cy5-N3	649	670	Rhodamines			
HY-D0924	Sulfo-Cy5.5	676	695	HY-D0043	5(6)-ROX	568	591
HY-D0825	Sulfo-Cy7	750	773	HY-15944	5(6)-TAMRA	541	565
HY-D0824	Sulfo-Cy7-SE	750	773	HY-D0723	5(6)-TAMRA SE	546	575
Fluoresceins				HY-101876	Rhodamine 800	693	>720
HY-D0029	5(6)-Aminofluorescein	490	520	HY-D0053	6-ROX	568	585

Fluorescent Enzyme Substrates

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
CYP450 Substrates				Glycosidase Substrates			
HY-D0055	3-Cyano-7-ethoxycoumarin	360	455	HY-15935	X-Gluc	-	-
HY-D0027	AMC	351	430	HY-D0935A	MUG	362	445
Hydrolase Substrate				HY-15928	4-Nitrophenyl-β-D-glucopyranoside	-	-
HY-U00452	PL553	210	410	HY-D1026	CUG	386	445
Peroxidase Substrates				HY-15934	X-GAL	-	-
HY-15930	TMB	-	-	Luciferins			
HY-101880	ADHP	530	590	HY-12591B	D-Luciferin potassium salt	-	-
HY-15902	ABTS	-	-	HY-12591	D-Luciferin sodium salt	-	-
Phosphatase Substrates				Coelenterazines			
HY-D0994	MUP	386	448	HY-18743	Coelenterazine	431	468
HY-15909	BCIP	-	-	HY-111382	Diphenylterazine	430	502



Biochemical Assay Reagents

Co-solvents

Drug Delivery Reagents

Enzyme Substrates / Native Proteins

Cell Assay Reagents

Carbohydrates

Chelators, Thickeners, Buffer Reagents
& Gene Sequencing and Synthesis Reagents

Co-solvents

Cat. No.	Product Name	Cat. No.	Product Name
HY-Y1891	Tween 80	HY-Y0320	DMSO
HY-Y0873	PEG300	HY-Y1888	Corn oil
HY-Y1890	Cremophor EL	HY-17031	SBE- β -CD
HY-Y1903	Phosal 50 PG	HY-Y1893	Solutol HS-15
HY-Y1275	N-Methylpyrrolidone	HY-Y1892	Gelucire 44/14
HY-B1659	Glycerol	HY-Y0842	Formamide
HY-126403	PEG-40 hydrogenated castor oil	HY-101103	HP- β -CD
HY-107799	Castor oil	HY-D1005	Poloxamer 407 (F127)

Drug Delivery Reagents

Cat. No.	Product Name	Information
HY-143693	DGDG	A chloroplast lipid
HY-138171	Lipid 5	Amino lipid
HY-125924	DSPE-PEG-Amine	Functionalized polyethylene glycol (PEG) conjugated lipid
HY-142998	Vaxfectin	Cationic lipid adjuvant
HY-142979	DSPE-PEG 2000	PEGylated lipid
HY-131119	DODAB	Cationic lipid
HY-142986	Dlin-MeOH	Ionizable cationic lipid
HY-153229	Firefly luciferase mRNA-LNP	A lipid nanoparticle containing Firefly luciferase mRNA (1935 nt)
HY-153232	eGFP circRNA-LNP	A lipid nanoparticle containing eGFP circRNA (1537 nt)
HY-153233	CD19 car mRNA-LNP	A lipid nanoparticle containing CD19 car mRNA (1735 nt)

Enzyme Substrates

Cat. No.	Product Name	Information
HY-D0183	ATP-polyamine-biotin	A kinase co-substrate that promotes biotin labeling of kinase substrates
HY-15906	AMPPD	Ultrasensitive alkaline phosphatase substrate
HY-15926	ONPG	β -galactosidase substrate for activity detection
HY-D0714	Tetrazolium Red	Dehydrogenase substrate for activity detection

Native Proteins

Cat. No.	Product Name	Information
HY-P2352	Fetuin	Plasma glycoprotein isolated from fetal calf serum Promote cell attachment, growth and differentiation
HY-P3160	Fibronectin	Glycoprotein present in blood and cells (~ 500 kDa) Biomarkers of tissue damage
HY-P3152	Streptavidin	A homotetramer (~ 60 kDa) with immunosuppressive effects High affinity with biotin molecules
HY-P3267	Transferrins	Blood-plasma glycoprotein A target ligand for transferrin receptor
HY-107911	Protamine Sulfate	Positive ionic peptide with anti-heparin activity Enhance lipid-mediated gene transfer
HY-P2149	Concanavalin A	A plant lectin refined from jack beans with four identical 28 kDa subunits Induce programmed cell death and acute hepatic injury
HY-W250978	Ovalbumins	The main protein found in egg whites Markers for studying gene expression regulation
HY-D0842	Bovine Serum Albumin (BSA)	Globular protein & Drug carriers for bioactive compounds
HY-P1956	Human Serum Albumin (HSA)	The most abundant protein in plasma A major determinant of plasma oncotic pressure
HY-B2196	Gastric Mucin	Large glycoprotein & Antiviral and immunomodulatory activities
HY-P2853	Hemocyanin	Large copper-containing respiratory protein A non-specific innate immune defense molecule
HY-NP051	Bovine Serum Albumin-FITC	BSA linked with green fluorescent FITC (Ex=495 nm; Em=525 nm) Label or detect specific antigens, molecules, or cellular structures
HY-NP010	Collagen, rat tail	Collagen extracted from rat tail tendon tissue Attachment matrix for cell culture
HY-P3161	Lactoferrin	Multifunctional iron-binding glycoprotein Prevent cell adhesion, the growth and spread of cell colonies
HY-NP007	Myoglobin	Small molecule pigment protein Transport and storage oxygen in muscle cells



Cell Assay Reagents

Cat. No.	Product Name	Information
HY-B1102	Evans Blue	High molecular weight protein tracer
HY-D0187	L-Glutathione reduced (GSH)	An endogenous antioxidant
HY-D0937	Methoxy-PMS	An active oxygen formation inducer
HY-W015913	Sodium 2-oxopropanoate	Sodium pyruvate, alternative carbon source in cell culture
HY-18569	3-IAA	Induce plant cells elongation and division

Carbohydrates

Cat. No.	Product Name	Information
HY-D1056	Lipopolysaccharides	High immunogenic antigen
HY-15921	IPTG	Molecular mimic of allolactose
HY-15917	DL-dithiothreitol (DTT)	Sulfhydryl (-SH) reducing agent
HY-116282	Dextran sulfate sodium	A polymer of anhydroglucose
HY-W145667	Mannan	Inhibit pathogen adherence and regulate bacterial growth
HY-138560	Cross-linked Dextran G50	Gel filtration medium
HY-154921	Lactosylceramide (LacCer)	Neutral glycosphingolipid (GSL)

Chelators, Thickeners, Buffer Reagents & Gene Sequencing and Synthesis Reagents

Cat. No.	Product Name	Information
HY-100168	BAPTA	Calcium chelator
HY-D0861	EGTA	Inhibit the substrate adherence capacity of inflammatory macrophages
HY-Y0682	EDTA	Hydrophilic metal chelator & Anticoagulant (for cell morphological analysis)
HY-W004563	Neocuproine	Copper chelator
HY-Y0703	CMC-Na	Viscosity modifier
HY-125861	Methyl cellulose	A non-ionic cellulose ether which gels on heating
HY-D0857	HEPES	Nonvolatile zwitterionic buffer reagent
HY-D0875	PIPES	Biological buffer reagent
HY-D0869	CAPS	Biological buffer reagent for dialysis
HY-145973A	3'Ome-m7GpppAmpG ammonium	Protein production, gene therapy and anti-cancer immunization
HY-137694B	ddTTP (trisodium)	A chain-elongating inhibitor of DNA polymerase for gene sequencing
HY-136648A	dATP (trisodium)	A substrate of DNA polymerase for gene synthesis



Enzymes

Enzymes are biological catalysts found within biological systems, capable of catalyzing specific biochemical processes. MCE offers 3000+ enzyme products, including Glycobiology enzymes, disease research enzymes, tissue dissociation enzymes, nucleases, proteases, biochemical detection enzymes, and tool enzymes, providing professional tools for life science research.

Applications

- 3000+ enzyme products available, spanning all major hot research fields.
- High in-stock rate, quick delivery.
- Highly active, quality control.

Glycobiology Enzymes

Cat. No.	Product Name	Information
HY-E70131	Endo H, <i>Streptomyces picatus</i>	Hydrolyzes the central glycosidic bond of the β 1, 4-di-N-acetylchitobiose
HY-P2929	PNGase F	Release of N-glycans from glycoproteins
HY-E70135	Endo- β -N-acetylglucosaminidase F1	Cleaves Asparagine-linked high mannose and some hybrid oligosaccharides.
HY-E70133	Endo- β -N-acetylglucosaminidase F2	Removes high mannose-type oligosaccharides with core fucose from glycoproteins and glycopeptides.
HY-E70134	Endo- β -N-acetylglucosaminidase F3	Used for the hydrolysis of glycan chains in bi-antennary and tri-antennary complex antibodies.
HY-E70132	Endo- β -N-acetylglucosaminidase D	Hydrolyzes Fc N-glycan of intact IgG antibodies
HY-E70068	Endo- β -N-acetylglucosaminidase (Endo S)	Removal of N-glycans from glycoproteins
HY-E70069	Endo S2, <i>Streptococcus pyogenes</i>	Catalyzes the hydrolysis of N-linked oligosaccharides
HY-132177A	α 1-2 Fucosidase	Catalyzes the hydrolysis of linear α 1-2 linked fucose residues from oligosaccharides
HY-132177B	α 1-2,4,6 Fucosidase O	Catalyzes the hydrolysis of terminal α 1-2, α 1-4 and α 1-6 linked fucose residues from oligosaccharides
HY-P2871A	α 1-3,6 Galactosidase	Catalyzes the hydrolysis of α 1-3 and α 1-6 linked galactose residues from oligosaccharides
HY-P2871B	α 1-3,4,6 Galactosidase	Catalyzes the hydrolysis of terminal, non-reducing α 1-3, α 1-4 and α 1-6-linked galactose residues from oligosaccharides
HY-P2869A	β 1-3 Galactosidase	Catalyzes the hydrolysis of terminal β 1-3-linked galactose from oligosaccharides and glycoprotein substrates



Cat. No.	Product Name	Information
HY-P2869B	β1-4 Galactosidase	Catalyzes the hydrolysis of terminal, non-reducing β 1-4 linked galactose residues from oligosaccharides
HY-P2950A	α1-6 Mannosidase	Removes unbranched α 1-6 linked mannose residues from oligosaccharides
HY-P2988A	α2-3,6 Neuraminidase	Catalyzes the hydrolysis of non-reducing terminal α 2-3 and α 2-6 unbranched sialic acid residues from carbohydrates and glycoproteins.

Tissue Dissociation Enzymes

Cat. No.	Product Name	Information
HY-E70005A	Collagenase, Type I	Used for the preparation of epithelial cells, as well as liver, lung, adipose, and adrenal tissue cells.
HY-E70005B	Collagenase, Type II	Used for the isolation and preparation of primary cells from bone, heart, liver, thyroid, and salivary gland.
HY-E70005C	Collagenase, Type III	Used for the preparation of primary mammary cells.
HY-E70005D	Collagenase, Type IV	Used for the preparation of pancreatic islet cells.
HY-E70005E	Collagenase, Type V	Used for the preparation of pancreatic islet cells and for dissociating connective tissue into individual cells.
HY-131577	Neutral protease, Paenibacillus polymyxa	Dispase II, applicable for tissue dissociation and stem cell digestion.
HY-129047B	Recombinant Trypsin Solution	Animal-free trypsin solution, suitable for digesting weakly adherent cells or stem cells under low-serum or serum-free culture conditions.
HY-E70130	Snailase, Snail gastrointestinale	Used for breaking yeast cell walls.

Nucleases

Cat. No.	Product Name	Information
HY-129046	RNase A, bovine pancreas	Catalyzes the hydrolysis of single stranded RNA
HY-108882	DNase I, Bovine pancreas	Degrade DNA
HY-KE7058	RNase H	Specifically hydrolyze RNA in DNA-RNA hybrid strands
HY-KE7055	RNase R	Enrichment of circular RNAs

Proteases

Cat. No.	Product Name	Information
HY-P2974	Elastase, Porcine pancreas	Hydrolyzed proteins and peptides
HY-P3208	Endoproteinase Lys-C	Cleaves proteins on the C-terminal side of lysine residues and is commonly used for protein sequencing.
HY-E70194	Endoproteinase Glu-C	Used for protease sequencing analysis, peptide mapping, and peptide mass fingerprinting.
HY-129047	Trypsin	Hydrolyzes proteins at the carboxyl side of the Lysine or Arginine.

Disease Research Enzymes

Cat. No.	Product Name	Information
HY-P2803	Beta-glucuronidase (<i>Escherichia coli</i>)	Used for pharmaceutical analysis.
HY-P2831	Esterase, pig liver	Used for pharmaceutical analysis.
HY-P1923	L-Asparaginase	Used for the research of acute lymphoblastic leukemia
HY-114164A	Human α -Thrombin	Stimulate platelet activation and stabilize fibrin polymers.
HY-P2812	Phospholipase D, <i>Streptomyces chromofuscus</i>	Used to study the mechanisms of diabetes, atherosclerosis, tumors and other diseases.
HY-P2373	Nattokinase, Natto fermentation	Used for the research of cardiovascular disease

Biochemical Detection Enzymes

Cat. No.	Product Name	Information
HY-135849	Catalase, <i>Aspergillus niger</i>	Antioxidant enzymes, scavenge ROS
HY-P2818	Alkaline phosphatase, Bovine intestine	Catalyzes the hydrolysis of phosphate monoesters
HY-P2755	Xanthine oxidase, Microorganism	Oxidoreductase, generates ROS
HY-129064	Superoxide dismutase, Porcine erythrocytes	Antioxidant enzyme, scavenges superoxide anions
HY-P2993	Isocitrate dehydrogenase	Participate in the tricarboxylic acid cycle, catalyzing the oxidative decarboxylation of isocitrate to α -ketoglutarate, and reducing NAD(P) ⁺ to NAD(P)H.
HY-P2776	Hexokinase (ScHEX1)	Participates in glycolysis, catalyzing the conversion of glucose to G-6-P.

Tool Enzymes

Cat. No.	Information	Cat. No.	Information
HY-E70090	T7 RNA polymerase	HY-KE7012	Dpn II
HY-KE7001	ApaI	HY-KE7013	Eag I
HY-KE7002	Avr II	HY-KE7014	EcoR I
HY-KE7003	Asc I	HY-KE7015	EcoR V
HY-KE7004	BamH I	HY-KE7016	Esp3 I
HY-KE7005	Bcl I	HY-KE7017	Fsp I
HY-KE7006	Bgl II	HY-KE7018	Hind III
HY-KE7007	Bsa I	HY-KE7019	Hinf I
HY-KE7008	BstB I	HY-KE7020	Hpa I
HY-KE7009	BstE II	HY-KE7022	Kpn I
HY-KE7010	Cla I	HY-KE7023	Mlu I
HY-KE7011	Dpn I	HY-KE7024	Mnl I



Recombinant Proteins

Cytokines and Growth Factors

Immune Checkpoint Proteins

CAR-T related Proteins

CD Antigens

Fluorescent-labeled Proteins

Fc Receptor Proteins

Receptor Proteins

Enzymes & Regulators

Complement System Related Proteins

Ubiquitin Related Proteins

Viral Proteins

Biotinylated Proteins

GMP-grade Proteins

Recombinant proteins are encoded by recombinant DNA that has been cloned in a system that supports gene expression. The host cells used for recombinant protein production can be derived from bacteria, mammalian cell, insect and yeast. Recombinant proteins have been widely used in most hot research areas such as immune checkpoints, antibody drug targets, CAR-T cell therapy targets, Fc receptors, influenza viral proteins and cytokines.

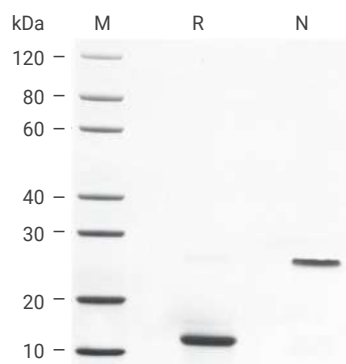
Applications: Immunology assay, Cell culture assay, Cell therapy, Apoptosis research, Stem cell culture and expansion, Functional analysis, In vitro biochemical analysis, Antibody production, Positive control, ELISA assay, Interaction analysis.

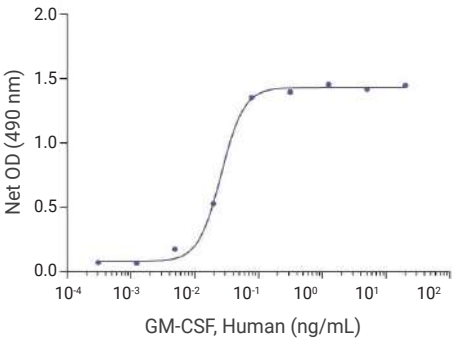
Advantages

- **Broad Categories:** Cytokines and Growth factors, Immune Checkpoint Proteins, CAR-T related proteins, CD antigens, Receptor Proteins, Enzymes and Regulators, Complement System related Proteins, Viral Proteins, GMP-grade proteins, Ubiquitin-related Proteins, etc.
- **Low Endotoxin Levels:** measured by LAL assay
- **High Purity:** tested by SDS-PAGE & HPLC
- **Superior Biological Activity:** validated by relevant in vitro or in vivo assays
- **Excellent Lot-to-Lot Consistency:** confirmed by Lot-to-Lot data
- **Full Range Sizes:** different pre-packaged sizes for various needs
- **Competitive Price:** superb quality with a reasonable price

High Purity

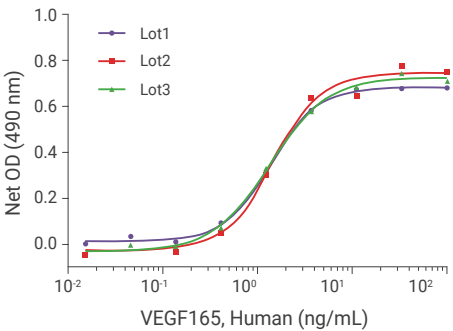
The purity of human BMP-2 is greater than 95% as analyzed by SDS-PAGE under reducing (R) and non-reducing (N) condition.





Superior Biological Activity

Human GM-CSF stimulates cell proliferation of TF-1 cells with an ED₅₀ of less than 0.5 ng/mL.



Excellent Lot-to-Lot Consistency

The ED₅₀ of MCE human VEGF165 from three different Lots are similar.

Cytokines and Growth Factors

Cat. No.	Product Name	Species	Source	Tag
HY-P7080	IL-4	Mouse	Mammalian Cells	Tag-free
HY-P7223	IL-6R alpha	Human	Mammalian Cells	Tag-free
HY-P7025	IFN-gamma	Human	<i>E.coli</i>	Tag-free
HY-P7287	SDF-1 beta/CXCL12	Human	<i>E.coli</i>	Tag-free
HY-P7058	TNF-alpha/TNFSF2	Human	<i>E.coli</i>	Tag-free
HY-P7085	M-CSF	Mouse	<i>E.coli</i>	Tag-free
HY-P7118	TGF beta 1	Human	Mammalian Cells	Tag-free
HY-P7086	Noggin	Mouse	Mammalian Cells	Tag-free
HY-P7007	BMP-4	Human	<i>E.coli</i>	Tag-free
HY-P70593	Fibronectin	Human	<i>E.coli</i>	Tag-free
HY-P70453B	Wnt3a Surrogate	Human	Mammalian Cells	Fc
HY-P7109	EGF	Human	<i>E.coli</i>	Tag-free
HY-P70311	Activin A	Human/Mouse/Rat	Mammalian Cells	Tag-free
HY-P7319	AITRL/TNFSF18	Mouse	<i>E.coli</i>	Tag-free
HY-P75509	Angiopoietin-2	Canine	Mammalian Cells	N-His
HY-P72650	FGF-21	Cynomolgus	Mammalian Cells	C-His
HY-P72106	BMP1	Human	<i>E.coli</i>	N-His



Cat. No.	Product Name	Species	Source	Tag
HY-P71827	Adiponectin/ADIPOQ	Bovine	<i>P.pastoris</i>	N-His
HY-P7008	BMP-7	Human	<i>E.coli</i>	Tag-free
HY-P7257	CCL4	Human	<i>E.coli</i>	Tag-free
HY-P70450	CCL5	Human	<i>E.coli</i>	Tag-free
HY-P7143	CCL6	Mouse	<i>E.coli</i>	Tag-free
HY-P7772	CCL9	Mouse	<i>E.coli</i>	Tag-free
HY-P70138	DLK-1	Human	Mammalian Cells	C-His
HY-P7004	FGF basic/bFGF	Human	<i>E.coli</i>	Tag-free
HY-P7170	FGF-10	Mouse	<i>E.coli</i>	Tag-free
HY-P70533	FGF-8	Human/Mouse	<i>E.coli</i>	Tag-free
HY-P7015A	G-CSF	Human	Mammalian Cells	Tag-free
HY-P7016	GM-CSF	Human	Mammalian Cells	Tag-free
HY-P7017	HB-EGF	Human	<i>E.coli</i>	Tag-free
HY-P7018	IGF-I	Human	<i>E.coli</i>	Tag-free
HY-P7368	IGFBP-2	Human	Mammalian Cells	C-His
HY-P7027	IL-1 alpha	Human	<i>E.coli</i>	Tag-free
HY-P7030A	IL-10	Human	Mammalian Cells	Tag-free
HY-P7049	LIF	Human	<i>E.coli</i>	Tag-free
HY-P7051A	Noggin	Human	Mammalian Cells	Tag-free
HY-P70781	SCF	Human	<i>E.coli</i>	Tag-free
HY-P70467	SHH	Human	<i>E.coli</i>	Tag-free

Immune Checkpoint Proteins

Cat. No.	Product Name	Species	Source	Tag
HY-P70691	CTLA-4	Human	Mammalian Cells	C-GST
HY-P70632	PD-L1	Mouse	Mammalian Cells	C-His
HY-P7395	PD-1	Human	Mammalian Cells	C-hFc
HY-P70482	TIM3	Human	Mammalian Cells	C-His
HY-P70722	LAG-3	Human	Mammalian Cells	C-His
HY-P70624	TIGIT	Human	Mammalian Cells	C-His
HY-P7327	CD276/B7-H3	Human	Mammalian Cells	C-His
HY-P7446	4-1BBL/TNFSF9	Mouse	Mammalian Cells	N-His
HY-P7144	CD40L/CD154/TRAP	Human	<i>E.coli</i>	Tag-free
HY-P70652	CD276/B7-H3	Human	Mammalian Cells	C-His
HY-P7678	BTLA/CD272	Human	Mammalian Cells	C-His

Cat. No.	Product Name	Species	Source	Tag
HY-P7685	BTN3A3	Human	Mammalian Cells	C-His
HY-P70535	Galectin-9	Human	Mammalian Cells	C-His
HY-P7366	HVEM	Human	Sf9 insect Cells	C-hFc
HY-P70494	Nectin-1	Human	Mammalian Cells	C-His
HY-P70807	PVR/CD155	Human	Mammalian Cells	C-His
HY-P73370	PD-L2	Rat	Mammalian Cells	C-hFc
HY-P77879	VISTA	Human	Mammalian Cells	C-hFc
HY-P75610	CD137/4-1BB	Canine	Mammalian Cells	C-His
HY-P7394	OX40/TNFRSF4	Human	Mammalian Cells	C-His
HY-P77457	OX40 Ligand/TNFSF4	Cynomolgus	Mammalian Cells	N-mFc
HY-P73499A	CD40	Human	Mammalian Cells	C-His
HY-P73306	Nectin-3	Human	Mammalian Cells	C-His
HY-P71248	PVRIG	Human	Mammalian Cells	C-mFc
HY-P72468	SIRP alpha	Mouse	Mammalian Cells	C-His
HY-P73121	IDO	Human	<i>E. coli</i>	Tag-free
HY-P76396	ICOS	Human	Mammalian Cells	C-His-hFc
HY-P76393	ICOSLG	Cynomolgus	Mammalian Cells	C-His
HY-P72353	CD28	Human/Cynomolgus	Mammalian Cells	C-Fc-Avi
HY-P72033	LIGHT	Human	Mammalian Cells	N-hFc-Myc
HY-P73076	GITR	Human	Mammalian Cells	C-His
HY-P7318	GITRL/AITRL	Human	<i>E. coli</i>	Tag-free
HY-P72887	CD200	Human	Mammalian Cells	C-hFc
HY-P76780	CD200R1	Cynomolgus	Mammalian Cells	C-His

CAR-T Related Proteins

Cat. No.	Product Name	Species	Source	Tag
HY-P7656	BCMA/TNFRSF17	Mouse	Mammalian Cells	C-Fc
HY-P72019	Siglec-2/CD22	Human	Mammalian Cells	C-His
HY-P70505	CD19	Human	Mammalian Cells	C-Fc
HY-P70731	CD38	Human	Mammalian Cells	C-His
HY-P70148	Mesothelin	Human	Mammalian Cells	C-His
HY-P70189	EGFR vIII	Human	Mammalian Cells	C-His
HY-P70125	CD276/B7-H3	Cynomolgus	Mammalian Cells	C-His
HY-P70155	EpCAM/TROP1	Human	Mammalian Cells	C-Fc
HY-P70759	HER2/CD340	Human	Mammalian Cells	C-Fc



Cat. No.	Product Name	Species	Source	Tag
HY-P70301	Mucin-1	Human	Mammalian Cells	C-Fc
HY-P71031	Siglec-6	Human	Mammalian Cells	C-Fc
HY-P70487	Glypican-3/GPC3	Human	Mammalian Cells	C-His
HY-P70296	Folate receptor alpha	Human	Mammalian Cells	C-His
HY-P70497	CD7	Human	Mammalian Cells	C-His

CD Antigens

Cat. No.	Product Name	Species	Source	Tag
HY-P70090	CD3 epsilon	Cynomolgus	Mammalian Cells	C-Fc
HY-P72702	CD8 beta	Human	Mammalian Cells	N-His
HY-P70486	CD28	Human/Cynomolgus	Mammalian Cells	N-His
HY-P7321	B7-1/CD80	Human	Mammalian Cells	C-hFc
HY-P70029	Basigin/CD147	Human	Mammalian Cells	C-His
HY-P70507	CD44	Human	Mammalian Cells	C-His
HY-P7679	BTLA/CD272	Human	Mammalian Cells	C-Fc
HY-P7780	Nectin-2/CD112	Human	Mammalian Cells	C-His
HY-P7785	CD127/IL-7RA	Human	Mammalian Cells	C-Fc-His
HY-P70550	CD137/4-1BB	Cynomolgus	Mammalian Cells	C-His
HY-P7799	CD160	Mouse	Mammalian Cells	C-His
HY-P72910	CD40	Human	Mammalian Cells	C-hFc
HY-P7819	CD207	Human	Mammalian Cells	N-His

Fc Receptor Proteins

Cat. No.	Product Name	Species	Source	Tag
HY-P70708	Fc gamma RIII/CD16	Mouse	Mammalian Cells	C-His
HY-P75209	Fc gamma RIIA/CD16a	Human	Mammalian Cells	C-His
HY-P72657	FCAR/CD89	Human	Mammalian Cells	C-His
HY-P70711	Fc gamma RIIB/CD32a	Rat	Mammalian Cells	C-His
HY-P70669	CD64	Human	Mammalian Cells	C-His
HY-P70601	FCRN	Human	Mammalian Cells	C-His
HY-P72748	CD23/Fc epsilon RII	Human	Mammalian Cells	N-His
HY-P76800	Fc gamma RIIB/CD32b	Cynomolgus	Mammalian Cells	C-His

Cat. No.	Product Name	Species	Source	Tag
HY-P75204	Fc gamma RIIB/CD16b	Human	<i>E.coli</i>	Biotinylated
HY-P72191	Fc epsilon RIA/FCER1A	Human	<i>E.coli</i>	His-SUMO
HY-P77363	FCAMR/CD351	Mouse	Mammalian Cells	C-His
HY-P70251	IgG3 Fc	Mouse	Mammalian Cells	Tag-free
HY-P72603	IgG2A Fc	Mouse	Mammalian Cells	Tag-free

Receptor Proteins

	Product Name	Species	Source	
HY-P70552	VEGFR-2	Human	Mammalian Cells	C-His
HY-P70714	HGFR	Human	Mammalian Cells	C-His
HY-P70352	GLP1R	Human	Mammalian Cells	C-Fc
HY-P70793	TrkB	Human	Mammalian Cells	C-His
HY-P7308	TrkA	Human	Mammalian Cells	Tag-free
HY-P70179	LIR-1/LILRB1	Human	Mammalian Cells	C-His
HY-P7485	Activin RIB/ALK-4	Human	Mammalian Cells	C-His
HY-P7467	AGER	Human	Mammalian Cells	C-His
HY-P71580	GFRAL	Human	<i>E.coli</i>	N-His-SUMO
HY-P72198	FSHR	Human	<i>E.coli</i>	N-His
HY-P70057	TYRO3/DTK	Mouse	Mammalian Cells	C-His

Enzymes & Regulators

	Product Name	Species	Source	
HY-P7745	Cathepsin A	Human	Mammalian Cells	C-His
HY-P7442	ACE2	Human	Mammalian Cells	C-Fc
HY-P70351A	MMP-9	Mouse	Mammalian Cells	C-His
HY-P70051	Aminopeptidase N/CD13	Mouse	Mammalian Cells	C-His
HY-P7474	ALDH1A1	Human	<i>E.coli</i>	N-His
HY-P7734	Carboxypeptidase B1/CPB1	Human	Mammalian Cells	C-His
HY-P70005	CTRB1	Human	Mammalian Cells	C-His
HY-P70010	CD73/5'-Nucleotidase	Human	Mammalian Cells	C-His
HY-P7452	ACOT13	Human	Mammalian Cells	C-His
HY-P70221	Acyl-protein thioesterase 2/LYPLA2	Human	<i>E.coli</i>	C-His



Cat. No.	Product Name	Species	Source	Tag
HY-P7479	Aldose 1-epimerase/GALM	Human	<i>E.coli</i>	C-His
HY-P72076	ALOX12	Human	<i>E.coli</i>	N-His
HY-P70260	Alpha-enolase/Enolase 1	Human	<i>E.coli</i>	C-His
HY-P73090	GSK-3 beta	Mouse	<i>E.coli</i>	N-His
HY-P7503	Angiogenin	Human	<i>E.coli</i>	Tag-free
HY-P73267	Kininogen-1	Mouse	Mammalian Cells	C-His
HY-P7602	Arginase-1	Human	Mammalian Cells	C-His

Complement System Related Proteins

Cat. No.	Product Name	Species	Source	Tag
HY-P7863	Complement C3/C3a	Mouse	<i>E.coli</i>	Tag-free
HY-P7864	Complement C5/C5a	Human	<i>E.coli</i>	Tag-free
HY-P70031	CFHR2	Human	Mammalian Cells	C-His
HY-P70055	CFHR1	Human	Mammalian Cells	C-His
HY-P70102	CFHR5	Human	Mammalian Cells	C-His
HY-P7692	HABP1/C1QBP	Human	<i>E.coli</i>	C-His
HY-P71718	C1QA	Mouse	<i>P.pastoris</i>	N-His
HY-P71423	VSIG4	Human	Mammalian Cells	C-Fc
HY-P72721	CD55/DAF	Human	Mammalian Cells	C-His
HY-P7890	Complement factor H/CFH	Human	Mammalian Cells	C-His
HY-P74371	C7/Complement component C7	Human	Mammalian Cells	C-His
HY-P74375	C2/Complement C2	Human	Mammalian Cells	C-His
HY-P74614	Protein S/PROS1	Human	Mammalian Cells	C-His
HY-P75463	C1s-A subcomponent	Mouse	Mammalian Cells	C-His
HY-P75464	C1QB	Human	Sf9 Insect Cells	C-His

Ubiquitin Related Proteins

Cat. No.	Product Name	Species	Source	Tag
HY-P70843	NEDD8	Human	<i>E.coli</i>	Tag-free
HY-P71406	UBE2M	Human	<i>E.coli</i>	Tag-free
HY-P71020	UBE2L6	Human	<i>E.coli</i>	C-His
HY-P71096	UCH-L1	Human	<i>E.coli</i>	C-His
HY-P71101	UBB	Human	<i>E.coli</i>	Tag-free

Cat. No.	Product Name	Species	Source	Tag
HY-P70974	SUMO2	Human	<i>E.coli</i>	N-His
HY-P7617	ATG3	Human	<i>E.coli</i>	Tag-free
HY-P71182	OTUB2	Human	<i>E.coli</i>	N-GST
HY-P71396	UBAP1	Human	<i>E.coli</i>	C-His
HY-P73537	XIAP	Human	<i>E.coli</i>	N-His
HY-P71643	SAE1	Human	<i>E.coli</i>	N-GST
HY-P70149A	ISG15/UCRP	Human	<i>E.coli</i>	C-His
HY-P71395	UBA5	Human	<i>E.coli</i>	N-His
HY-P71402	UBE2H	Human	<i>E.coli</i>	N-GST
HY-P71407	UBE2R2	Human	<i>E.coli</i>	N-His

Viral Proteins

Cat. No.	Product Name	Species	Source	Tag
HY-P7429	3C-like Proteinase	SARS-CoV-2	<i>E.coli</i>	N-His
HY-P7437	Nucleocapsid	SARS-CoV-2	<i>E.coli</i>	N-His
HY-P7436	S1 Protein	SARS-CoV-2	Mammalian Cells	Tag-free
HY-P70127	NSP1	SARS-CoV-2	<i>E.coli</i>	C-His
HY-P73290	Spike/S1	MERS-CoV	Sf9 insect Cells	C-His
HY-P70907	Envelope glycoprotein gp120	HIV-1	Mammalian Cells	C-His
HY-P74883	gp140	HIV-1	Mammalian Cells	C-Fc
HY-P70015	B18R	Vaccinia virus	Mammalian Cells	C-His
HY-P71478	Fusion glycoprotein F0/F	HRSVA	<i>E.coli</i>	N-His, N-B2M
HY-P73232	HA/Hemagglutinin	Influenza virus	Mammalian Cells	C-His
HY-P73239	NA/Neuraminidase	Influenza virus	Mammalian Cells	Tag-free
HY-P73533	Membrane protein	Zika virus	Mammalian Cells	C-Fc
HY-P73738	NS1 Protein	Dengue virus	Mammalian Cells	N-His
HY-P74188	E/Envelope Protein	West Nile virus	<i>P.pastoris</i>	C-His
HY-P74354	Capsid protein	Hepatitis virus	<i>E.coli</i>	C-His
HY-P72269	Spike/S Protein	HCoV-OC43	Sf9 insect Cells	N-His;C-Myc
HY-P72283	Nucleoprotein/NP	Influenza virus	<i>E. coli</i>	N-His-SUMO
HY-P72260	Protein E6	HPV	<i>E. coli</i>	N-His
HY-P72259	Protein E7	HPV	<i>E. coli</i>	N-His
HY-P72301	Protein L1/L1R	Vaccinia virus	Sf9 insect Cells	N-His;C-Myc
HY-P70122	PLpro Protein	SARS-CoV-2	<i>E. coli</i>	Tag Free
HY-P7894	PP1ab Protein	SARS-CoV-2	<i>E. coli</i>	N-His-MBP
HY-P75814	glycoprotein/G Protein	HRSVA	Mammalian Cells	C-His



Biotinylated Proteins

Cat. No.	Product Name	Species	Source	Tag
HY-P70546	PCSK9	Human	Mammalian Cells	C-His-HA-Avi
HY-P70721	PD-L1	Human	Mammalian Cells	C-Fc-Avi
HY-P70767	Siglec-15	Human	Mammalian Cells	C-Fc-Avi
HY-P70768	CD79B	Human	Mammalian Cells	C-His-Avi
HY-P70769	ACE2	Human	Mammalian Cells	C-His-Avi
HY-P70770	TROP-2	Human	Mammalian Cells	C-His-Avi
HY-P71175	NTNG1	Human	Mammalian Cells	C-Avi-His
HY-P78213	TGF beta 1	Human	Mammalian Cells	N-Avi
HY-P71421	VEGFR-2	Human	Mammalian Cells	C-His-Avi
HY-P72403	Neuropilin-1	Human	Mammalian Cells	C-His-Avi
HY-P73485	XIAP	Human	<i>E.coli</i>	N-Avi
HY-P78068	4-1BBR/TNFRSF9	Human	Mammalian Cells	C-hFc-Avi
HY-P72909	CD40	Human	Mammalian Cells	C-hFc-Avi
HY-P72885	Fc gamma RIIIA/CD16a	Human	Mammalian Cells	C-His-Avi
HY-P72343	BTN1A1	Human	Mammalian Cells	C-His-Avi
HY-P72389	LAG-3	Human	Mammalian Cells	C-His-Avi
HY-P72370	Fibronectin	Human	<i>E.coli</i>	N-Avi-His
HY-P77518	Cadherin-1/CD324	Human	HEK293	Biotinylated, C-hFc
HY-P72359	CD47	Human	HEK293	C-Avi-His
HY-P78149	IL-21	Mouse	<i>E.coli</i>	N-His-Avi

GMP-grade Proteins

Cat. No.	Product Name	Species	Source	Tag
HY-P70637G	GMP TPO	Human	Mammalian cells	C-His
HY-P70757G	GMP SCF	Human	Mammalian cells	C-His
HY-P70454G	GMP IL-1 alpha	Human	<i>E.coli</i>	Tag-free
HY-P7044G	GMP IL-6	Human	<i>E.coli</i>	Tag-free
HY-P7032G	GMP IL-12	Human	Mammalian Cells	Tag-free
HY-P70760G	GMP IL-18	Human	Mammalian Cells	C-His
HY-P7038G	GMP IL-21	Human	<i>E.coli</i>	Tag-free
HY-P70543G	GMP TGF beta 1	Human	Mammalian Cells	Tag-free
HY-P7055G	GMP PDGF-BB	Human	<i>E.coli</i>	Tag-free
HY-P70567G	GMP GM-CSF	Human	Mammalian Cells	C-His
HY-P70576G	GMP IL-3	Human	<i>E.coli</i>	N-His

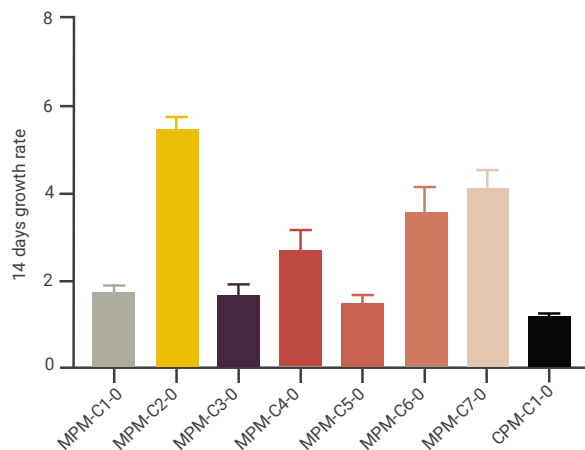
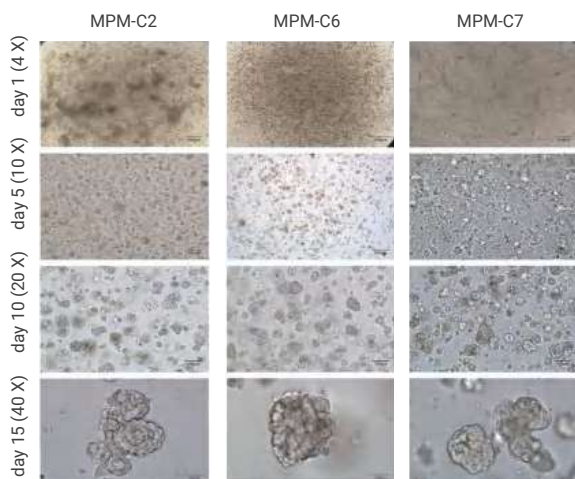
Cat. No.	Product Name	Species	Source	Tag
HY-P70426G	GMP TNF-alpha/TNFSF2	Human	<i>E.coli</i>	Tag-Free
HY-P70440G	GMP FGF basic/bFGF	Human	<i>E.coli</i>	Tag-Free
HY-P70465G	GMP OSM	Human	<i>E.coli</i>	N-His
HY-P70544G	GMP FLT3LG	Human	Mammalian cells	C-His
HY-P70593G	GMP Fibronectin	Human	<i>E.coli</i>	Tag-Free
HY-P70610G	GMP IFN-gamma	Human	Mammalian cells	Tag-Free
HY-P70750G	GMP IL-4	Human	Mammalian cells	Tag-Free
HY-P70776G	GMP IL-15	Human	<i>E.coli</i>	Tag-Free
HY-P70783G	GMP IGF-I/IGF-1	Human	<i>E.coli</i>	Tag-Free
HY-P7109G	GMP EGF	Human	<i>E.coli</i>	Tag-Free

Animal-free Recombinant Proteins

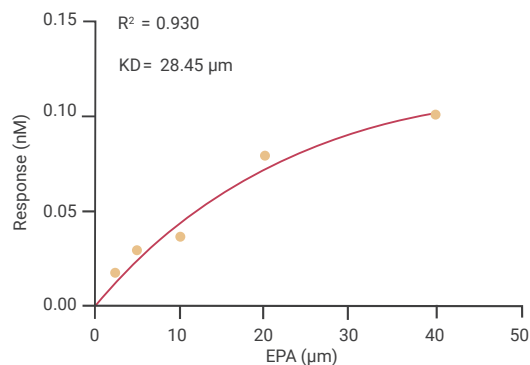
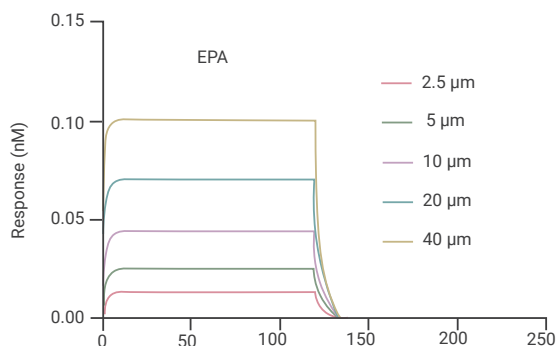
Cat. No.	Product Name	Species	Source	Tag
HY-P700017AF	Animal-Free BAFF	Human	<i>E. coli</i>	C-His
HY-P700018AF	Animal-Free beta-NGF	Human	<i>E. coli</i>	C-His
HY-P700020AF	Animal-Free BMP-11	Human	<i>E. coli</i>	C-His
HY-P700034AF	Animal-Free CCL2	Human	<i>E. coli</i>	N-His
HY-P700037AF	Animal-Free CD326	Human	<i>E. coli</i>	C-His
HY-P700042AF	Animal-Free CXCL11	Human	<i>E. coli</i>	N-His
HY-P700043AF	Animal-Free CXCL12	Human	<i>E. coli</i>	C-His
HY-P700045AF	Animal-Free CXCL2	Human	<i>E. coli</i>	N-His
HY-P700056AF	Animal-Free FGF-12	Human	<i>E. coli</i>	C-His
HY-P700066AF	Animal-Free FGF-4	Human	<i>E. coli</i>	C-His
HY-P700083AF	Animal-Free G-CSF	Human	<i>E. coli</i>	N-His
HY-P700084AF	Animal-Free GDNF	Human	<i>E. coli</i>	C-His
HY-P700086AF	Animal-Free GM-CSF	Human	<i>E. coli</i>	N-His
HY-P700093AF	Animal-Free IGF-I	Human	<i>E. coli</i>	C-His
HY-P700143AF	Animal-Free Noggin	Human	<i>E. coli</i>	C-His
HY-P700148AF	Animal-Free SCF	Human	<i>E. coli</i>	C-His
HY-P700155AF	Animal-Free TPO	Human	<i>E. coli</i>	N-His
HY-P700157AF	Animal-Free VEGF165	Human	<i>E. coli</i>	C-His
HY-P700216AF	Animal-Free IL-6	Mouse	<i>E. coli</i>	C-His
HY-P700222AF	Animal-Free M-CSF	Mouse	<i>E. coli</i>	C-His
HY-P73052AF	Animal-Free FGF-2	Mouse	<i>E. coli</i>	N-His



Customer Validations



- Human EGF Protein (HY-P7109), Insulin (HY-P0035), Gastrin I (HY-P1097), Human R-Spondin1 (HY-P7114), A83-01 (HY-10432), SB202190 (HY-10295), Y27632 (HY-10071), CHIR999021 (HY-10182)
- **Sample Type:** Malignant peritoneal mesothelioma (MPM) specimens
- **Application:** The addition of common growth factors like Wnt-3a, Noggin, and R-spondin-1 enhanced MPM organoids (MPMOs) development. Left: Time-lapse images at varying magnifications of MPMOs. Right: Quantification of MPMOs number per well for individual organoids. (Usage Cited in Mol Cancer. 2024 Jan 10;23(1):12.)

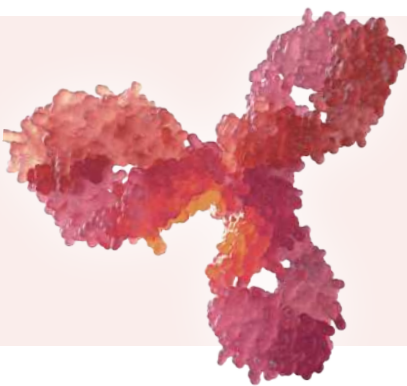


- Human PPAR gamma (HY-P7999)
- **Sample Type:** Eicosapentaenoic acid (EPA)
- **Application:** Bio-layer Interferometry (BLI) technology confirmed a direct and reversible interaction between EPA with PPAR gamma. (Usage Cited in Developmental Cell. 2024 Jul 23.)

Antibodies

Primary Antibodies

Secondary Antibodies



MCE offers 4000+ high-quality primary antibodies and secondary antibodies for autophagy, apoptosis, immunity, cell cycle, and many other hot signaling pathways, covering a wide range of popular targets to accelerate your scientific research!

Applications

- High Affinity
 - High Sensitivity
 - Superior Specificity
 - Excellent Lot-to-Lot consistency

Primary Antibodies

Primary antibodies are proteins that bind specifically to the target antigen with high specificity and affinity. They are widely used for the detection, purification, and quantification of proteins.

Cat. No.	Product Name	Application	Reactivity
Autophagy			
HY-P80555	ATG10 Antibody	WB, IP	Human
HY-P80556	ATG3 Antibody	WB, IHC-F, IHC-P, ICC/IF	Human, Mouse, Rat
HY-P80557	ATG4A Antibody	WB, IHC-P, IP	Human
HY-P80568	Beclin 1 Antibody	WB, IP	Human, Mouse, Rat
HY-P80740	LAMP2 Antibody (YA310)	WB, IHC-P	Human
HY-P80366	ULK1 Antibody	WB, IHC-P	Human, Mouse, Rat
HY-P80461	Phospho-FOXO3a (Ser253) Antibody	WB, IHC-P,	Human, Mouse, Rat
HY-P80021	Atg12 Antibody	WB, IHC-P, ICC/IF	Human, Mouse, Rat
HY-P80022	ATG5 Antibody	WB, ICC/IF, IHC-P, IP	Human, Rat, Green monkey
HY-P80132	FOXO3A Antibody	WB, ICC/IF, IHC-P	Human, Mouse
HY-P80134	FOXO4 Antibody	WB, ICC/IF, IHC-P, FC, IP	Human
HY-P80135	FOXP3 Antibody	WB, ICC, FC	Human
HY-P80136	GABARAP Antibody	WB, IHC-P, FC	Human, Mouse, Rat



Cat. No.	Product Name	Application	Reactivity
Apoptosis			
HY-P80566	Bcl2 Antibody	WB, IHC-P	Human, Mouse
HY-P80623	Cleaved-Caspase 3 p12 Antibody	WB, ICC/IF	Human, Mouse, Rat
HY-P80257	p53 Antibody (YA250)	WB, ICC/IF, IHC-P, IP	Human
HY-P80587	Caspase 1 Antibody	WB, IHC-P, ELISA	Human, Mouse, Rat
HY-P80401	FKBP51 Antibody	WB, IHC-P, IP, FC	Human, Rat
HY-P80402	FKBP52 Antibody	WB, ICC/IF, IHC-P, FC	Human, Mouse
HY-P80448	Cleaved PARP Antibody	WB, ICC/IF, IP, FC	Human
HY-P80472	Phospho-p53 (Ser392) Antibody	WB, IHC-P, IP	Human, Mouse
HY-P80026	Bak Antibody (YA592)	WB, ICC/IF, IHC-P, IP, FC	Human, Mouse
HY-P80028	Bax Antibody (YA591)	WB, ICC/IF, IP, FC	Human, Mouse, Rat
HY-P80030	Bcl-XL Antibody	WB, ICC/IF, IHC-P, FC, IP	Human
HY-P80032	Bim Antibody	WB, ICC/IF, IHC-P, IP	Human, Mouse
HY-P80046	Caspase-3 Antibody	WB, ICC/IF, IHC-P, IP, FC	Human
HY-P80050	Caspase-9 Antibody	WB, ICC/IF, IHC-P, IP, FC	Human, Mouse
Cell Cycle/DNA Damage			
HY-P80586	Casein Kinase 2 beta Antibody	WB, IHC-F, IHC-P, ICC/IF	Human, Mouse, Rat
HY-P80649	eIF1A Antibody	WB, IHC-F, IHC-P, ICC/IF, IP	Human, Mouse, Rat
HY-P80651	eIF4B Antibody	WB, IHC-P	Human
HY-P80154	HDAC6 Antibody	WB, ICC/IF, IHC-P, IP	Human
HY-P80200	JunB Antibody	WB, ICC/IF, IHC-P, IP	Human
HY-P80300	Rb Antibody	WB, ICC/IF, IHC-P, IP	Human, Mouse
HY-P80379	ATF6 Antibody (YA831)	WB, IHC-P, FC	Human, Mouse, Rat
HY-P80453	Phospho-ATM (S1981) Antibody	WB, ICC/IF, IHC-P, IP	Human
HY-P80076	Cdk2 Antibody	WB, ICC/IF, IHC-P, IP, FC	Human, Mouse, Rat
HY-P80077	Cdk4 Antibody	WB, ICC/IF, IHC-P, IP	Human, Mouse
HY-P80079	Cdk6 Antibody	WB, ICC/IF, IHC-P, FC	Human
HY-P80097	Cyclin B1 Antibody (YA486)	WB, ICC/IF, IHC-P, IP	Human
HY-P80098	Cyclin D1 Antibody (YA485)	WB, ICC/IF, IHC-P, IP	Human, Mouse, Rat
HY-P80100	Cyclin E1 Antibody (YA483)	WB, ICC/IF, IHC-P	Human, Mouse
Metabolic Enzyme/Protease			
HY-P80705	HIF1 beta Antibody	WB, IHC-P	Human, Mouse, Rat, Hamster
HY-P80309	Retinoid X Receptor alpha Antibody	WB, ICC/IF, IHC-P, IP	Human, Rat
HY-P80363	Ubiquitin Antibody (YA022)	WB, ICC/IF, IHC-P, FC	Human, Mouse
HY-P80380	ATP citrate lyase Antibody	WB, ICC/IF, IHC-P, IP, FC	Human, Mouse
HY-P80383	Cathepsin B Antibody	WB, ICC/IF, IHC-P	Human
HY-P80384	Cathepsin D Antibody	WB, ICC/IF, IHC-P, IP	Human, Mouse

Cat. No.	Product Name	Application	Reactivity
Metabolic Enzyme/Protease			
HY-P80422	Lactate Dehydrogenase Antibody	WB, ICC/IF, IHC-P, FC, IP	Human, Mouse
HY-P80423	LXR alpha Antibody	WB, ICC/IF, IHC-P, FC	Human, Mouse, Rat
HY-P80424	MMP3 Antibody	WB, IHC-P	Human, Mouse, Rat
HY-P80425	MMP9 Antibody (YA285)	WB, ICC/IF, IHC-P, FC	Human, Rat
HY-P80520	TCF7L2/TCF4 Antibody	WB, ICC/IF, IHC-P, IP, FC	Human, Mouse
HY-P80755	MMP12 Antibody	WB, IP	Human, Rat, Hamster

Loading Controls/Tag Antibody: Help you to detect and identify protein more accurately, and improve the reliability and consistency of the experiment.

Type	Cat. No	Name	Application
Loading Controls Antibody	HY-P80438	Beta Actin Antibody	WB, ICC/IF, IHC-P, FC
	HY-P80993	Beta Actin Antibody (HRP)	WB
	HY-P80954	GAPDH Antibody	WB
	HY-P80954A	GAPDH Antibody(HRP)	WB, ELISA
	HY-P80487	beta Tubulin Antibody	WB, ICC/IF, IHC-P, FC
Tag Antibody	HY-P80959	6X His-tag Antibody	WB,IP
	HY-P80232	Myc-tag Antibody	WB, ELISA, IP
	HY-P80111	DYKDDDDK-tag (FLAG) Antibody	WB, ICC/IF, IP
	HY-P80148A	GST-tag Antibody	WB, ICC/IF, IP
	HY-P80948	HA-tag Antibody	WB,IP

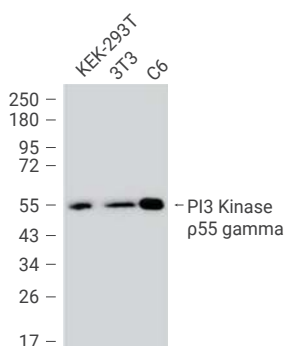
Secondary Antibodies

Secondary antibodies target primary antibodies that are already bound to the target protein. Secondary antibodies are often conjugated to fluorescent groups (e.g. Alexa Fluor), enzymes (e.g. HRP), or proteins (e.g. biotin).

Cat. No.	Conjugation	Name
HY-P8001/ HY-P8004	HRP	Goat Anti-Rabbit/ Mouse IgG H&L (HRP Conjugate)
HY-P80953/ HY-P80949	Biotin	Goat Anti-Rabbit/ Mouse IgG H&L (Biotin Conjugate)
HY-P81007/ HY-P81008	TRITC	Goat Anti-Rabbit/ Mouse IgG H&L (TRITC-Conjugated)
HY-P80951/ HY-P80950	FITC	Goat Anti-Rabbit/ Mouse IgG H&L (FITC Conjugate)
HY-P81017/ HY-P81016	Cy3	Goat Anti-Rabbit/ Mouse IgG H&L (Cy3 Conjugated)
HY-P81021/ HY-P81020	Cy7	Goat Anti-Rabbit/ Mouse IgG H&L (Cy7 Conjugated)
HY-P8002/ HY-P8005	Alexa Fluor® 488	Goat Anti-Rabbit/ Mouse IgG H&L (Alexa Fluor® 488 Conjugated)
HY-P81015/ HY-P81014	Alexa Fluor® 405	Goat Anti-Rabbit/ Mouse IgG H&L (Alexa Fluor® 405 Conjugated)
HY-P8003/ HY-P8006	Alexa Fluor® 594	Goat Anti-Rabbit/ Mouse t IgG H&L (Alexa Fluor® 594 Conjugated)
HY-P80952/ HY-P81013	Alexa Fluor® 647	Goat Anti-Rabbit/ Mouse IgG H&L (Alexa Fluor® 647 Conjugated)



Customer Validations

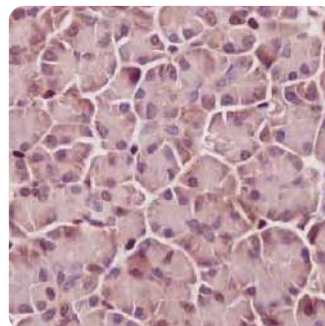


Western blot analysis of PI3 Kinase p55 gamma on different lysates

Lane 1-3: HEK-293T cell lysate; 3T3 cell lysate; C6 cell lysate

Primary antibody: PI3 Kinase p55 gamma Antibody (HY-P80866)

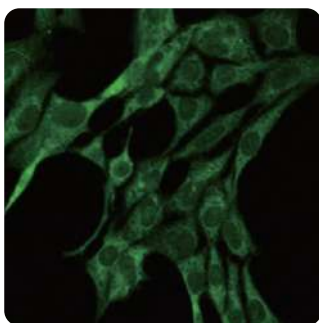
Secondary antibody: HRP-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) (HY-P8001)



Immunohistochemical analysis of paraffin-embedded mouse testis tissue.

Primary antibody: Phospho-STAT3 Antibody (HY-P80857)

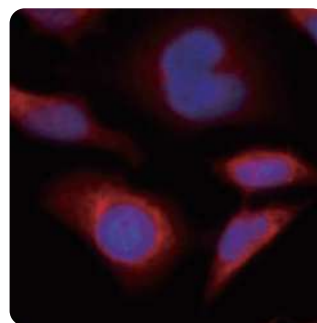
Secondary antibody: HRP-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) (HY-P8001)



Immunofluorescence analysis of JNK1 in 3T3 cells.

Primary antibody: JNK1 Antibody (YA720) (HY-P80729)

Secondary antibody: Alexa Fluor® 488-conjugated AffiniPure Goat Anti-Mouse IgG (H+L) (HY-P8005)



Immunofluorescence analysis of Phospho-AMPK alpha 1 (Ser496) in HeLa cells

Primary antibody: Phospho-AMPK alpha 1 (Ser496) Antibody (HY-P80790)

Secondary antibody: Alexa Fluor® 594-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) (HY-P8003)

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