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CHOOSE  
THE  
BEST



Catalog for featured  
Abs • Duos • ELISA kits



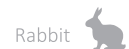
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[www.arigobio.com](http://www.arigobio.com)

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Antibody Host:



## About arigo

Have you noticed a **squirrel** hidden in the logo of arigo? arigo Biolaboratories use the squirrel as a symbol and aim to provide quality **antibodies**, antibody duos/panels, and ELISA kits to facilitate scientific research. Our specialty **antibody duos** or antibody **panels** offer an all-in-one solution to make research easy and economic. arigo also offers diverse **ELISA kits** to meet the needs in the emerging research world.

### Excellence

Offer smart solutions (Ab duos / panels / ELISA kits) to facilitate experiments and research.

### Nuts about antibodies

Only the best are offered.  
Only the smartest are accomplished.



### Responsiveness

Follow the research frontier and bring out cutting edge research solutions.

### Quality

Extensively validate antibodies to provide specific and reliable products.

# Milestones



2019

The **most sensitive HDGF** ELISA kit  
More **antibody panels**

2018

SQab clone **recombinant rabbit mAbs**  
The **unique active MMP7** ELISA kit

2017

The **most comprehensive HMGB1** ELISA kits  
ELISA kits for **immunosuppressive molecules**

2016

**1st citation** published  
**Mouse/Rat A $\beta$ 42 ELISA Kit (ARG80939)**  
Shi et al., (2016) Neuroscience. 315:125-35.

2015

The **best Dengue Virus** antibodies

The **best Zika Virus** antibodies

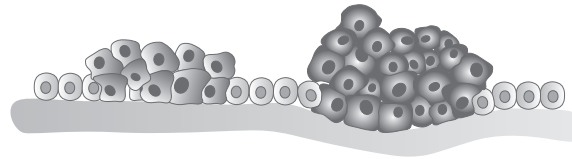
2014

**The start**

- Antibody
- Duo/Panel
- ELISA kit



# Proliferation

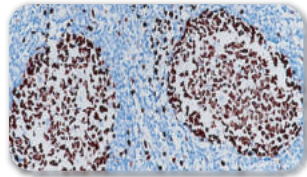


# Hypoxia



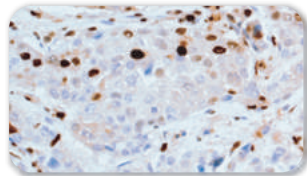
Ki-67 antibody [SQab1897] (ARG66347)

IHC-P  
Hu

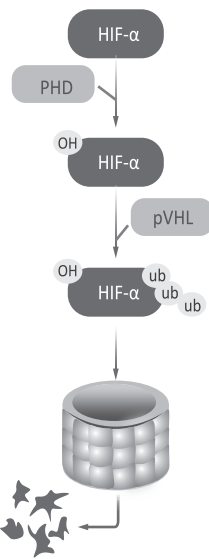


PCNA antibody [PC10] (ARG62605)

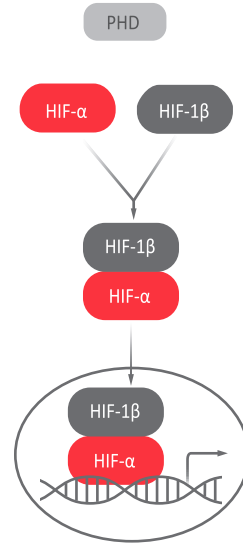
FACS, ICC/IF, IHC-Fr, IHC-P, IP, WB  
Hu, Ms, Rat, Ck, Dm, Mk, Pig, Zfsh



Normoxia



Hypoxia



Normoxia  
Hypoxia



HIF-1α antibody [ESEE122] (ARG10515)  
ELISA, FACS, ICC/IF, IHC-Fr, IHC-P, WB  
Hu, Ms, Rat, Bv

## arigo's tips for HIF-1α detection

Q. How to detect HIF-1α by WB?

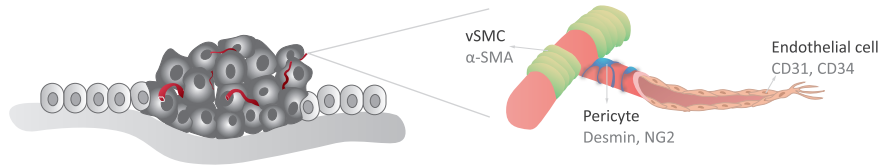
HIF-1α, even the overexpressed protein, is rapidly degraded in normoxic cells. It's necessary to stabilize the HIF-1α by one of the following steps.

- Incubate the cells in hypoxia incubator chamber for 2-8 hrs
- Treat the cells with CoCl<sub>2</sub> (50-200 μM for 4-24 hrs) or DMOG (0.1-1 mM for 12-48 hrs)

Q. Why the MW of HIF-1α isn't as predicted?

The predicted MW of HIF-1α is 93kDa. However, the HIF-1α band is usually at 110-130 kDa due to the post-translational modification. Sometimes, it's possible to detect the degraded HIF-1α at 40-60 kDa. On non-reducing gels, the dimeric HIF-1α proteins run at ~200 kDa.

# Angiogenesis



## Circulating markers

	Product	Sensitivity	Cat. No.
VEGF	Human VEGF ELISA Kit	8 pg/ml	ARG80124
	Mouse VEGF ELISA Kit	8 pg/ml	ARG80207
	Rat VEGF ELISA Kit	15 pg/ml	ARG80242
PIGF1	Human PIGF1 ELISA Kit	15 pg/ml	ARG80142
	Human bFGF ELISA Kit	65 pg/ml	ARG80141
bFGF	Mouse bFGF ELISA Kit	23 pg/ml	ARG81276
	Rat bFGF ELISA Kit	3 pg/ml	ARG81355

## Latest citations

### CD31 antibody (ARG52748)

Su et al., (2019) ACS Nano. 13(4):4290-4301. (IHC-P / Ms)  
 Yang et al., (2019) Cancer Res. 79(3):557-571. (IHC-P / Ms)  
 Chen et al., (2019) Cell Death Differ. 26(7):1346-1364. (IHC-P / Ms)  
 Xu et al., (2018) J Exp Clin Cancer Res. 37(1):207. (IHC- P / Ms)  
 Lin et al., (2018) J Tissue Eng Regen Med. 12(10):2099-2111. (ICC/IF / Hu)

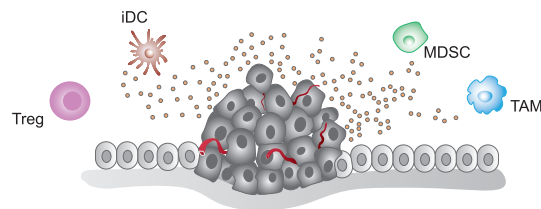
## Microvascular Density Antibody Panel (ARG30327)

*Ideal for examining angiogenesis in tumor tissues and xenograft model*

- Includes **proliferation marker** Ki-67 antibody
- Includes **endothelial cell marker** CD31 antibody
- Includes **mural cell markers** Desmin and  $\alpha$ -SMA antibodies
- Excellent IHC performance

Component	Reactivity	Application
Ki-67 antibody [SQab1897]	Hu	IHC-P
CD31 antibody	Hu, Ms, Pig	ICC/IF, IHC-Fr, IHC-P, WB
Desmin antibody [SQab1722]	Hu, Ms, Rat	IHC-P, WB
$\alpha$ -SMA antibody [SQab18108]	Hu, Ms, Rat, Mk, Bv, Dog, Pig, Zfsh	FACS, ICC/IF, IHC-P, WB
anti-Rabbit IgG antibody (HRP)	Rb	ELISA, IHC-P, WB

# Immunosuppression



## Immunosuppressive cytokines

	Product	Sensitivity	Cat. No.
CXCL12	Human CXCL12 ELISA Kit	60 pg/ml <sup>2</sup>	ARG80121
	Human IL6 ELISA Kit	1.5 pg/ml	ARG80110
	Mouse IL6 ELISA Kit	8 pg/ml	ARG80199
IL6	Rat IL6 ELISA Kit	30 pg/ml	ARG80233
	Human IL10 ELISA Kit	0.4 pg/ml	ARG80113
IL10	Mouse IL10 ELISA Kit	15 pg/ml	ARG80200
	Rat IL10 ELISA Kit	30 pg/ml	ARG80234
TGFβ	Human TGFβ ELISA Kit	15 pg/ml	ARG80123
	Mouse TGFβ ELISA Kit	15 pg/ml	ARG80211
	Rat TGFβ ELISA Kit	15 pg/ml	ARG80245

## Latest citations



Mouse IL1β ELISA Kit (ARG80196)  
 Mouse IL6 ELISA Kit (ARG80199)  
 Mouse IL10 ELISA Kit (ARG80200)  
 Mouse TNFα ELISA Kit (ARG80206)

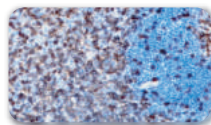
Sudirman et al., (2018) PLoS One. 13(10):e0205252.

## Immunosuppressive cells


### Treg cell markers

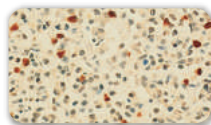
CD4 antibody [SQab1714]  
(ARG65860)

 FACS, IHC-P, IP, WB  
 Hu




FOXP3 antibody  
(ARG59288)

 IHC-P, WB  
 Hu, Ms, Rat



### MDSC markers

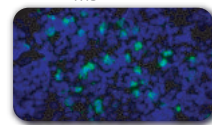
CD11b antibody [M1/70]  
(ARG22000)

 FACS, ICC/IF, IHC-Fr  
 IHC-P, IP  
 Hu, Ms, Bb, Mk




Ly6G/Ly6C antibody  
[RB6-8C5] (ARG22104)

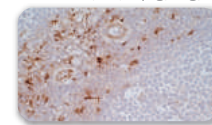
 FACS, IHC-Fr,  
 IHC-P, IP  
 Ms




### TAM markers

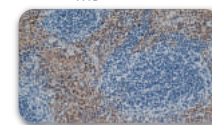
CD163 antibody [EDHu-1]  
(ARG22838)

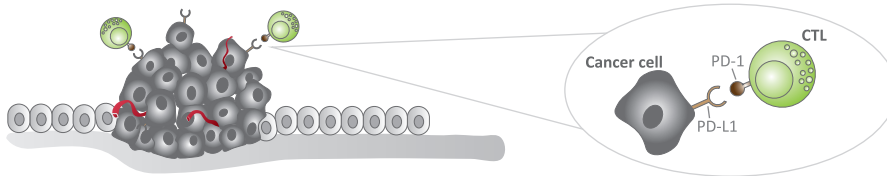
 ELISA, FACS, ICC/IF,  
 IHC-Fr, IHC-P, WB  
 Hu, Bv, Gpig, Pig, Mk, Sh



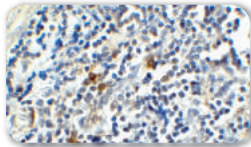
F4/80 antibody [Cl:A3-1]  
(ARG22476)


 EM, FACS, ICC/IF, IHC-Fr,  
 IHC-P, IP, RIA, WB  
 Ms

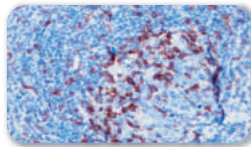





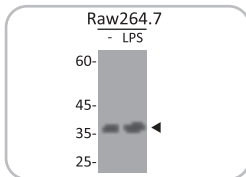
### Immunosuppressive checkpoints




CTLA4 antibody [1E6]  
(ARG58439)  
 ICC/IF, IHC-P, WB  
 Hu



PD-1 antibody [SQab1732]  
(ARG66243)  
 FACS, ICC/IF, IHC-P, IP  
 Hu

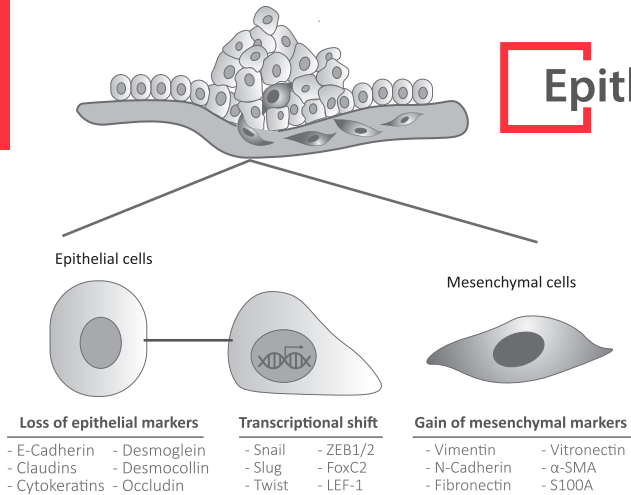


PD-L1 antibody (ARG55930)  
 FACS, ICC/IF, IHC-P, WB  
 Hu, Ms

### Soluble immune checkpoints

	Product	Sensitivity	Cat. No.
CD200	Human CD200 ELISA Kit	15.6 pg/ml	ARG81802
	Mouse CD200 ELISA Kit	15.6 pg/ml	ARG81836
Galectin-1	Human Galectin-1 ELISA Kit	78 pg/ml	ARG81451
	Mouse Galectin-1 ELISA Kit	78 pg/ml	ARG81735
	Rat Galectin-1 ELISA Kit	78 pg/ml	ARG82103
Galectin-3	Human Galectin-3 ELISA Kit	31 pg/ml	ARG81257
	Mouse Galectin-3 ELISA Kit	31.25 pg/ml	ARG81736
Galectin-9	Human Galectin-9 ELISA Kit	46.9 pg/ml	ARG81503
HVEM	Human HVEM / TR2 ELISA Kit	7.8 pg/ml	ARG81855
	Mouse HVEM / TR2 ELISA Kit	7.8 pg/ml	ARG81856
PD-1	Human PD-1 ELISA Kit	0.44 pg/ml	ARG81360
	Mouse PD-1 ELISA Kit	8 pg/ml	ARG81342
PD-L1	Human PD-L1 ELISA Kit	31.25 pg/ml	ARG81929
	Mouse PD-L1 ELISA Kit	15.6 pg/ml	ARG81930
PD-L2	Human PD-L2 ELISA Kit	31.25 pg/ml	ARG81580
TIM3	Human TIM3 ELISA Kit	15.6 pg/ml	ARG81989
	Mouse TIM3 ELISA Kit	15.6 pg/ml	ARG81990

# Epithelial-mesenchymal transition (EMT)



## Latest citations

E-Cadherin antibody [SQab1717] (ARG66195)

Vimentin antibody [SQab1721] (ARG66199)

Li et al., (2019) J Exp Clin Cancer Res. 38(1):6. (WB / Hu)

ZO-1 antibody (ARG55738)

Liu et al., (2018) Phytother Res. 1047-1055. (WB / Rat)

Liu et al., (2018) Neural Regen Res. 13(11):1974-1980. (WB / Ms)

## EMT Marker Antibody Panel (ARG30320)

- Includes both **epithelial and mesenchymal** markers
- Includes the most suitable **loading control**
- Includes secondary antibody
- Comprises antibodies with good performance

Component	Reactivity	Application
E-Cadherin antibody [SQab1717]	Hu	IHC-P, WB
Vimentin antibody [SQab1721]	Hu, Ms	FACS, ICC/IF, IHC-P, IP, WB
N-Cadherin antibody	Hu, Ms, Rat, Sh	ELISA, FACS, ICC/IF, IHC-P, IP, WB
GAPDH antibody [SQab1878]	Hu, Ms, Rat, Bv, Ck, Mk, Pig, XI, Zfsh	FACS, ICC/IF, IHC-P, IP, WB
anti-Rabbit IgG antibody (HRP)	Rb	ELISA, IHC-P, WB

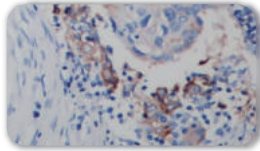
# Pathology

**SQab clone rabbit mAbs**

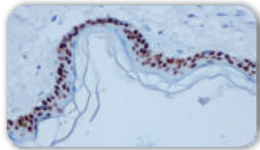
- Proprietary recombinant antibody technology
- Excellent specificity and sensitivity
- High consistency and reproducibility
- Outstanding IHC performance

## Lung cancer

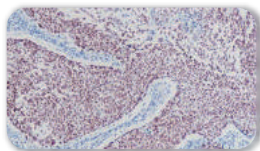
PD-L1 antibody [SQab1716]  
(ARG65862)



p40 antibody [SQab1740]  
(ARG66251)

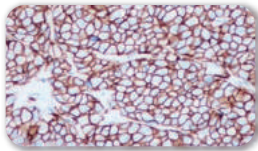


p63 antibody [SQab1893]  
(ARG66343)

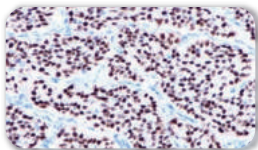


## Breast cancer

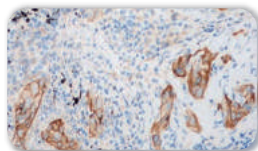
HER2 antibody [SQab1890]  
(ARG66357)



ER $\alpha$  antibody [SQab1889]  
(ARG66356)

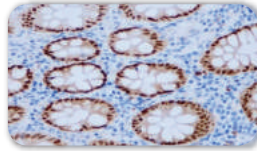


EGFR antibody [SQab1726]  
(ARG66204)

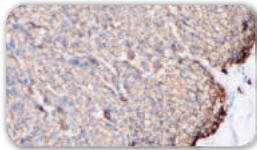


## Gastrointestinal cancer

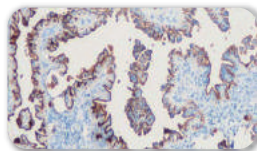
CDX2 antibody [SQab1733]  
(ARG66244)



DOG-1 antibody [SQab1739]  
(ARG66250)

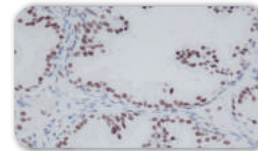


MUC1 antibody [SQab1891]  
(ARG66358)

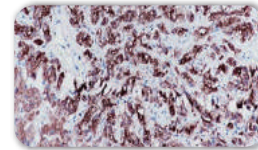


## Prostate cancer

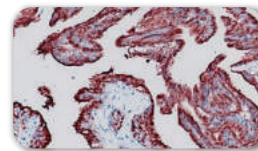
Androgen Receptor antibody  
[SQab1729] (ARG66207)



PSA antibody [SQab1895]  
(ARG66345)



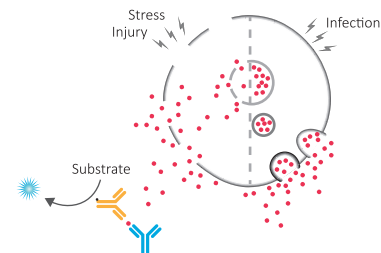
PSAP antibody [SQab1899]  
(ARG66349)



ELISA kits for frontier research

## The most comprehensive HMGB1 ELISA kits

HMGB1 is a multifunctional protein with various roles in different cellular compartments. Extracellular HMGB1 has attracted the attention as its association with **cell proliferation, invasion and metastasis, angiogenesis, and immunosuppression**. arigo offers the most comprehensive ELISA kits to facilitate the HMGB1 research.



### Advantages

- **Specific**  
HMGB1 specific. No cross reactivity with HMGB2.
- **Flexible**  
Suitable for multiple samples from multiple species.
- **Easy & Fast**  
Only 2 incubations and 1 wash steps are required.

Product	Reactivity	Sample types	Cat. No.
Human HMGB1 ELISA Kit	Hu	Plasma, Culture sup.	ARG81185
Mouse/Rat HMGB1 ELISA Kit	Ms, Rat	Plasma, Culture sup., Lysate	ARG81310
HMGB1 ELISA Kit	Hu, Ms, Rat	Serum	ARG81351



### Latest citations

Human HMGB1 ELISA Kit (ARG81185)

Di et al., (2019) J Gastroenterol Hepatol. 34(4):728-735

Mouse/Rat HMGB1 ELISA Kit (ARG81310)

Takahashi et al., (2019) Oncotarget. 10(6):633-646.

He et al., (2019) J Cell Physiol. doi: 10.1002/jcp.28351.

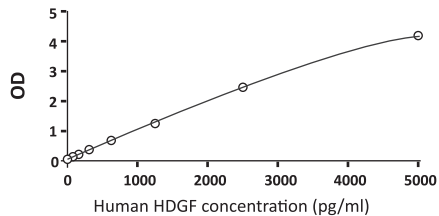
ELISA kits for frontier research

## The most sensitive HDGF ELISA kit

Hepatoma-derived growth factor (HDGF) is a heparin-binding growth factor that can translocate into the nucleus or secreted to extracellular space. Extracellular HDGF binds to an unidentified receptor and involves in **proliferation, epithelial-mesenchymal transition (EMT), and cell migration**. HDGF is also found in **exosomes** implying its aggressive potential for cancer progression. arigo offers excellent antibodies and ELISA kit to facilitate the research of HDGF's roles in cancer progression.

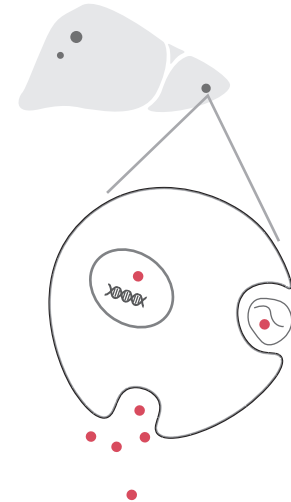
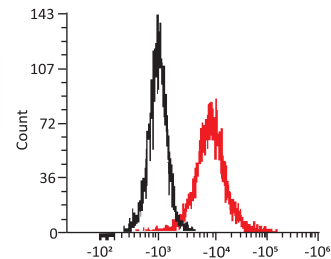
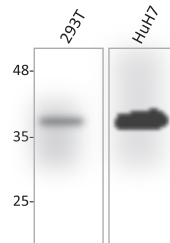
### Human HDGF ELISA Kit (ARG81356)

Sensitivity: ~ 30 pg/ml



### HDGF antibody [SQab1746] (ARG66283)

 ELISA, FACS, ICC/IF, IHC, WB  
 Hu, Ms, Rat





ELISA kits for frontier research

## The unique active MMP7 ELISA kit

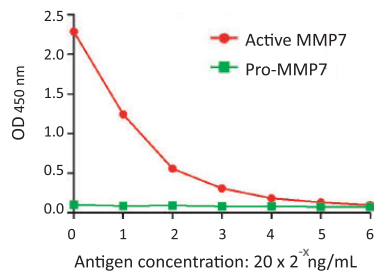
MMP-7 is expressed at low levels in adult epithelial cells but is upregulated in a variety of disease states, including gastrointestinal cancers and multiple organ fibrosis. It is involved in **tumor metastasis** and **inflammatory processes**. The active MMP7 cleaves proMMP2 and proMMP9 to facilitate cancer invasion. In addition, MMP7 cleaves the Syndecan-1–IL8 complex to generate active IL8, which in turn acts as a neutrophil chemoattractant. arigo offers excellent ELISA kits to simplify the quantification of either active MMP7 or total MMP7 levels. The kits are the best solution to facilitate MMP7-related studies.

### Advantages

- **Active form-specific**  
Only active MMP7 proteins are detected.
- **Flexible**  
Suitable for multiple samples including serum, plasma, saliva, urine, and cell culture supernatant.
- **Easy & Fast**  
Simply 2 incubation steps and 2 wash cycles are required. Only 3.5 hours of assay length.

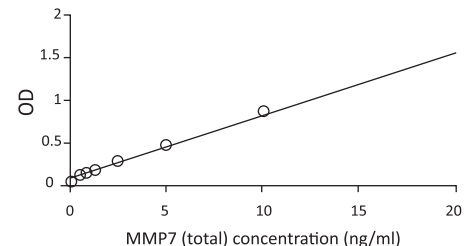
Human MMP7 (active) ELISA Kit (ARG82010)

Sensitivity: 0.102 ng/ml

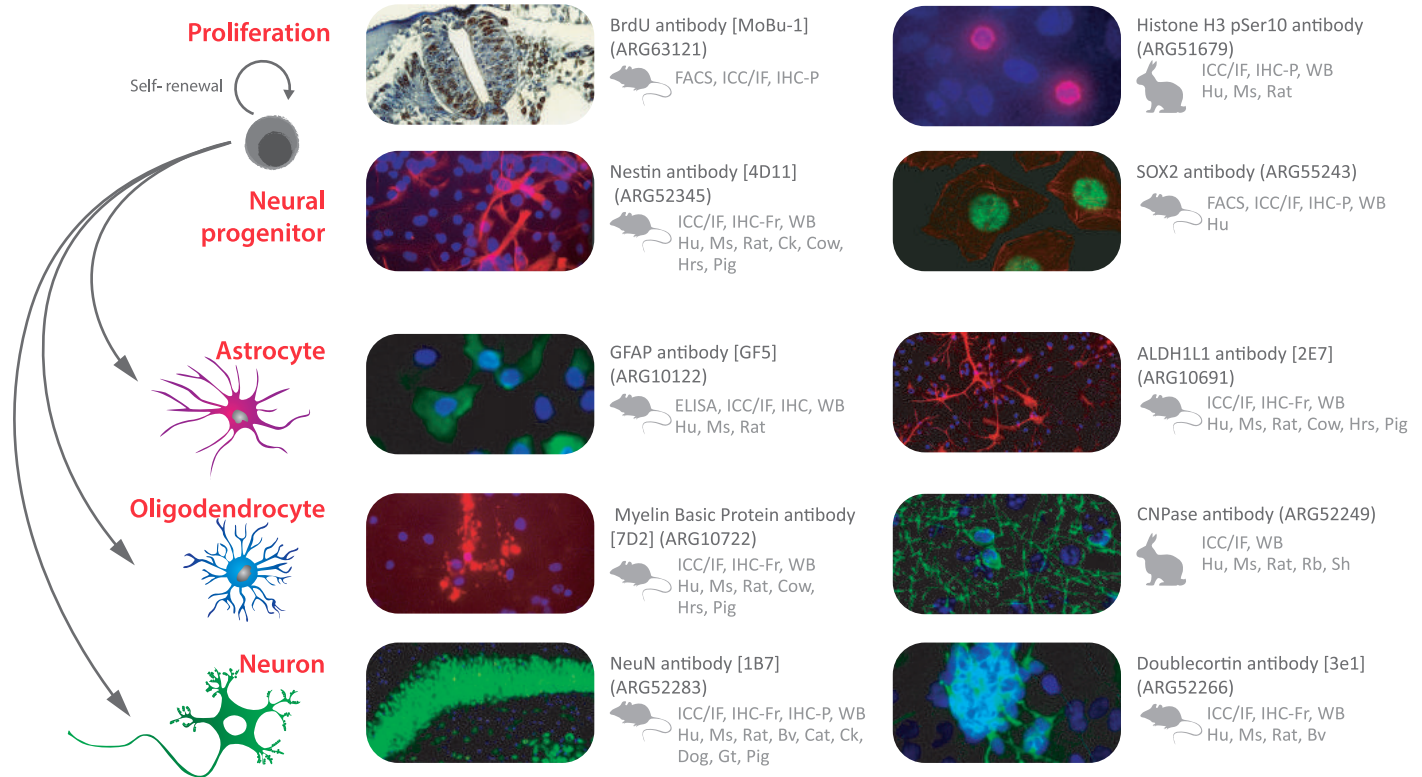


Human MMP7 (total) ELISA Kit (ARG82009)

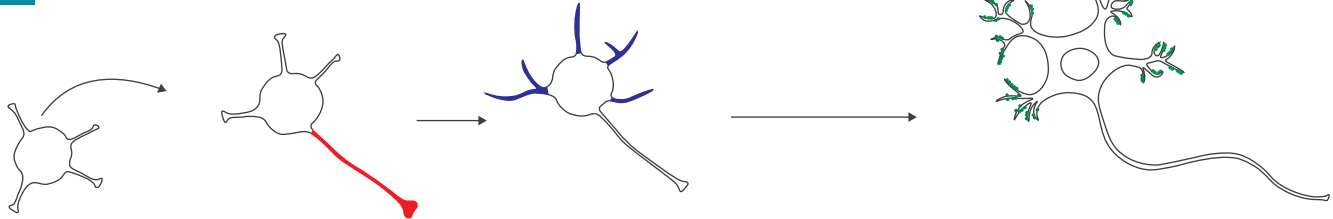
Sensitivity: 0.21 ng/ml



# Neural lineage




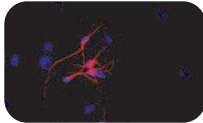
# Neuronal polarity & Synaptogenesis




## Axon

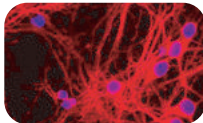
$\beta$ 3-Tubulin antibody  
[TU-20] (ARG62683)

 FACS, ICC/IF, IHC-P, WB  
Hu, Ms, Rat, Bb, Bv, Ck,  
Hm, Pig




Tau antibody [5B10]  
(ARG10727)

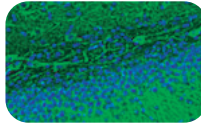
 ICC/IF, IHC-Fr, WB  
Hu, Ms, Rat, Cow,  
Hrs, Pig




## Dendrite

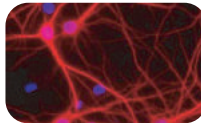
MAP2 antibody [4H5]  
(ARG10719)

 ICC/IF, IHC-Fr, WB  
Hu, Ms, Rat, Bv




MAP2 antibody  
(ARG52328)

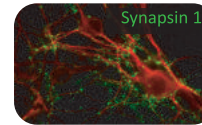
 ICC/IF, IHC-Fr, IHC-P, WB  
Hu, Ms, Rat, Bv, Dog, Sh




## Pre-synapse

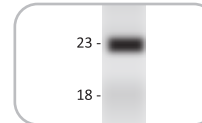
Synapsin 1 antibody  
(ARG52426)

 ICC/IF, IHC, IP, WB  
Hu, Ms, Rat




SNAP25 antibody  
[SP-12] (ARG22273)

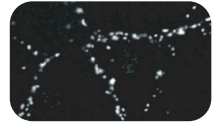
 ELISA, ICC/IF, IHC, WB  
Hu, Ms, Rat, Cat, Pig




## Post-synapse

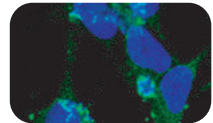
PSD95 antibody [6G6]  
(ARG20545)

 ICC/IF, IHC, WB  
Hu, Ms, Rat, Bv



PSD93 antibody [S18-30]  
(ARG22227)

 ICC/IF, IHC, IP, WB  
Hu, Ms, Rat



# Neuroactive substances

## Neurotransmitters

### Latest citations

**Adrenaline ELISA Kit (ARG80442)**  
Komano et al., (2018) J Int Soc Sports Nutr. 15(1):39.

**Dopamine ELISA Kit (ARG80450)**  
**Glutamate ELISA Kit (ARG80453)**  
Paik et al., (2018) Clin Psychopharmacol Neurosci. 16(3):276-281.

**Serotonin ELISA Kit (ARG80480)**  
Lee et al., (2018) Sci Rep. 8(1):3497.

	Product	Sensitivity	Cat. No.
Adrenaline	Adrenaline ELISA Kit	Plasma: 10 pg/ml Urine: 0.9 ng/ml	ARG80442
Noradrenaline	Noradrenaline ELISA Kit	1.3 pg/ml	ARG80475
Dopamine	Dopamine ELISA Kit	0.25 ng/ml	ARG80450
GABA	GABA ELISA Kit	Serum/Plasma: 25 ng/ml Urine: 49 ng/ml	ARG80451
Glutamate	Glutamate ELISA Kit	0.3 µg/ml	ARG80453
Histamine	Histamine ELISA Kit	Plasma: 0.12 ng/ml Urine: 0.30 ng/ml	ARG80455
Serotonin	Serotonin ELISA Kit	6.2 ng/ml	ARG80480

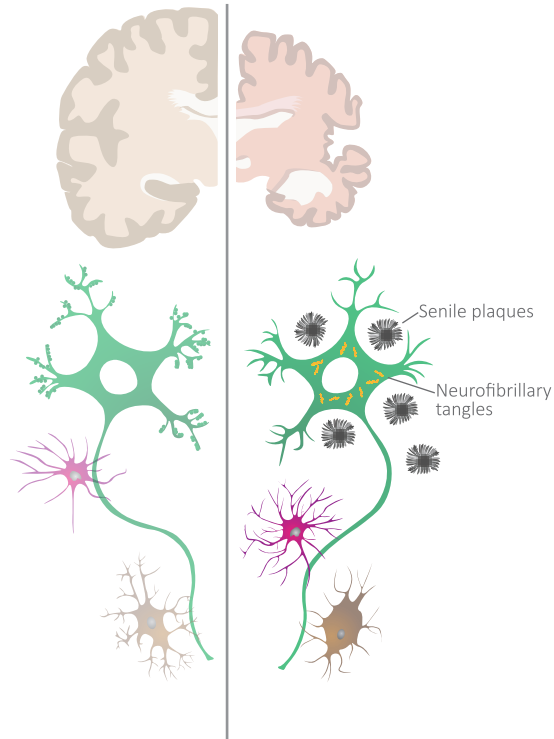
## Neuropeptides

	Product	Sensitivity	Cat. No.
AgRP	AgRP / Agouti-related protein ELISA Kit	3.9 pg/ml	ARG81577
Neuropeptide Y	Neuropeptide Y ELISA Kit	0.09 ng/ml	ARG80934
Neurotensin	Neurotensin ELISA Kit	0.2 ng/ml	ARG81122
Orexin A	Orexin A ELISA Kit	0.18 ng/ml	ARG81308
Substance P	Substance P ELISA Kit	30 pg/ml	ARG82001
VIP	VIP ELISA Kit	0.12 ng/ml	ARG81246

## Neurotrophic factors

	Product	Sensitivity	Cat. No.
Artemin	Human Artemin ELISA Kit	31.25 pg/ml	ARG81601
	Mouse Artemin ELISA Kit	15.6 pg/ml	ARG81951
BDNF	proBDNF ELISA Kit	16 pg/ml	ARG81240
	Human BDNF ELISA Kit	7 pg/ml	ARG81251
	Mouse BDNF ELISA Kit	15.6 pg/ml	ARG82007
CNTF	Human CNTF ELISA Kit	0.07 ng/ml	ARG80954
	Mouse CNTF ELISA Kit	6 pg/ml	ARG82008
	Rat CNTF ELISA Kit	15 pg/ml	ARG80249
GDNF	Human GDNF ELISA Kit	< 4 pg/ml	ARG80953
	Mouse GDNF ELISA Kit	15.6 pg/ml	ARG81780
	Rat GDNF ELISA Kit	15.6 pg/ml	ARG81648
Neurotrophin	Human Neurotrophin 3 ELISA Kit	< 2 pg/ml	ARG81354
	Mouse Neurotrophin 3 ELISA Kit	7.8 pg/ml	ARG81664
	Rat Neurotrophin 3 ELISA Kit	7.8 pg/ml	ARG81665
	Human Neurotrophin 4/5 ELISA Kit	15.6 pg/ml	ARG81416
NGF	Human $\beta$ -NGF ELISA Kit	4 pg/ml	ARG80133
	Mouse $\beta$ -NGF ELISA Kit	15.6 pg/ml	ARG81663
	Rat $\beta$ -NGF ELISA Kit	7 pg/ml	ARG81285
Persephin	Human Persephin ELISA Kit	46.85 pg/ml	ARG81594
	Mouse Persephin ELISA Kit	46.85 pg/ml	ARG81937

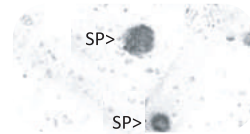
# Alzheimer's disease (AD)



## Senile plaques (SP)

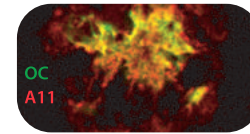
$\beta$ -Amyloid (1-16) antibody [AB9] (ARG10753)

ICC/IF, IHC-P, WB  
Hu



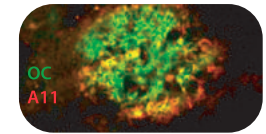
Amyloid Fibrils (OC) antibody (ARG22204)

ELISA, ICC/IF, IHC, IP, WB  
Hu



Amyloid Oligomers (A11) antibody (ARG22203)

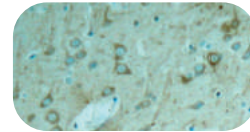
ELISA, ICC/IF, IHC, IP, WB  
Hu, Ms, Rat



## Neurofibrillary tangles (NFT)

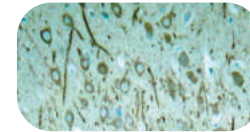
Tau antibody (ARG51094)

IHC-P, WB  
Hu, Ms, Rat



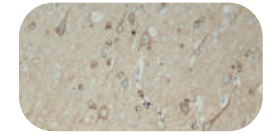
Tau pThr231 antibody (ARG51612)

IHC-P, WB  
Hu, Ms, Rat



Tau pSer396 Antibody (ARG51604)

IHC-P, WB  
Hu, Ms, Rat



## AD biomarkers

	Product	Sensitivity	Cat. No.
$\beta$ -Amyloid (1-40)	Human $\beta$ -Amyloid (1-40) ELISA Kit	1 pg/ml	ARG81300
	Mouse/Rat $\beta$ -Amyloid (1-40) ELISA Kit	0.28 pg/ml	ARG80980
$\beta$ -Amyloid (1-42)	Human $\beta$ -Amyloid (1-42) ELISA Kit	0.29 pg/ml	ARG81143
	Mouse/Rat $\beta$ -Amyloid (1-42) ELISA Kit	2 pg/ml	ARG80939
Tau	Human Tau ELISA Kit	5.2 pg/ml	ARG81145
p-Neurofilament	Phosphorylated Neurofilament ELISA Kit		ARG81164

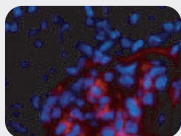
## Neuroinflammation

### Neuroinflammation Antibody Panel (ARG30324)

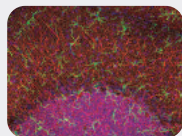
- Ideal for **triple staining** samples from **human, mouse and rat**
- Includes **active microglial marker** CD68 antibody
- Includes **general microglial marker** Iba1 antibody
- Includes **astrocyte marker** GFAP antibody

Component	Reactivity	Application	Host
CD68 antibody [KP1]	Hu, Ms, Rat, Rb	FACS, ICC/IF, IHC-Fr, IHC-P, WB	Mouse
Iba1 antibody	Hu, Ms, Rat	ICC/IF, IHC-Fr, WB	Rabbit
GFAP antibody	Hu, Ms, Rat, Bv, Cat, Ck, Mk, Rb	ELISA, FACS, ICC/IF, IHC-Fr, IHC-P, WB	Chicken

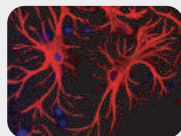
CD68 antibody



Iba1 antibody



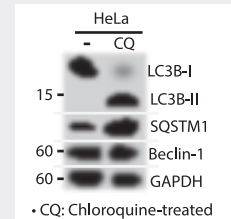
GFAP antibody



## Autophagic clearance

### Autophagy Antibody Panel (ARG30321)

- Includes **autophagy markers**
- Includes the most suitable **loading control**
- Includes secondary antibody
- Comprises antibodies with good performance



Component	Reactivity	Application
LC3B antibody	Hu, Ms, Rat	ICC/IF, IHC-P, WB
SQSTM1 antibody	Hu, Ms	ICC/IF, IHC-P, IP, WB
Beclin-1 antibody	Hu, Ms, Rat	IHC-P, WB
GAPDH antibody [SQab1878]	Hu, Ms, Rat, Bv, Ck, Mk, Pig, XI, Zfsh	FACS, ICC/IF, IHC-P, IP, WB
anti-Rabbit IgG antibody (HRP)	Rb	ELISA, IHC-P, WB

### Latest citation

SQSTM1 / p62 antibody (ARG55040)

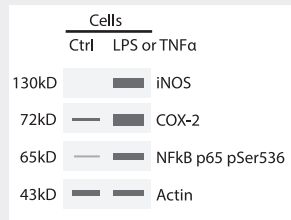
Tseng et al., (2019) Phytother Res. 33(4):1199-1207. (WB / Hu)

# Inflammation

## Inflammation Antibody Panel (ARG30323)

*Ideal for studying inflammation in cultured cells*

- Includes **NFkB activation marker** in response to multiple inflammatory stimuli
- Includes key **inflammation markers** iNOS and COX-2 antibodies
- Includes the most suitable **loading control**
- Includes secondary antibody



Component	Reactivity	Application
NFkB p65 pSer536 antibody	Hu, Ms, Rat	ICC/IF, IHC-P, WB
iNOS antibody	Hu, Ms, Rat, Mamm	ICC/IF, IHC-P, IP, WB
COX-2 antibody	Hu, Ms, Rat, Gpig, Mk, Rb, Sh	ICC/IF, IHC, WB
β-Actin antibody	Hu, Ms, Rat, Rb, Sh	IHC-P, WB
anti-Rabbit IgG antibody (HRP)	Rb	ELISA, IHC-P, WB

## Inflammatory cytokines

	Human	Mouse	Rat
IL1β	ARG80101	ARG80196	ARG80235
IL6	ARG80110	ARG80199	ARG80233
IL8	ARG80111		
IL12 p70	ARG80115	ARG80201	ARG81993
IL18	ARG80138	ARG80946	ARG81692
GM-CSF	ARG80122	ARG80229	ARG81282
IFNγ	ARG80117	ARG80205	ARG80240
MCP-1 / CCL2	ARG80128	ARG80212	ARG80246
TNFα	ARG80120	ARG80206	ARG80241

## Latest citations

### iNOS antibody (ARG56509)

Motterlini et al., (2019) Redox Biol. 20:334-348. (IHC-P / Ms)

### Mouse IL1β ELISA Kit (ARG80196)

### Mouse IL6 ELISA Kit (ARG80199)

### Mouse TNFα ELISA Kit (ARG80206)

Zou et al., (2017) Sci Rep. 7(1):2454.

### Mouse IL1β ELISA Kit (ARG80196)

### Mouse IL6 ELISA Kit (ARG80199)

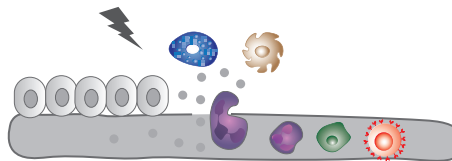
### Mouse IL10 ELISA Kit (ARG80200)

### Mouse TNFα ELISA Kit (ARG80206)

Sudirman et al., (2018) PLoS One. 13(10):e0205252.



# Inflammatory cells



## Human Inflammatory Cell Antibody Panel (ARG30325)

*Ideal for labeling inflammatory cells in human samples*

- Includes **neutrophil marker** MPO antibody
- Includes **macrophage marker** CD68 antibody
- Includes **T cell marker** CD3 antibody
- Includes **B cell marker** CD20 antibody
- Outstanding **IHC** performance

Cell marker	Component	Application
Neutrophil	MPO antibody	IHC-P, WB
Macrophage	CD68 antibody [SQab1742]	FACS, IHC-P
T cell	CD3 antibody [SQab1713]	FACS, ICC/IF, IHC-P, IP, WB
B cell	CD20 antibody [SQab1719]	FACS, ICC/IF, IHC-P, IP
	anti-Rabbit IgG antibody (HRP)	ELISA, IHC-P, WB

## Mouse Inflammatory Cell Antibody Panel (ARG30326)

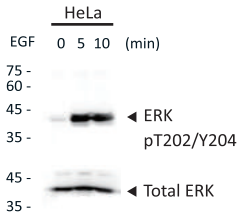
*Ideal for labeling inflammatory cells in mouse samples*

- Includes **neutrophil marker** Ly6G/Ly6C antibody
- Includes **macrophage marker** F4/80 antibody
- Includes **T cell marker** CD3 antibody
- Includes **B cell marker** B220 antibody
- Outstanding **IHC** performance

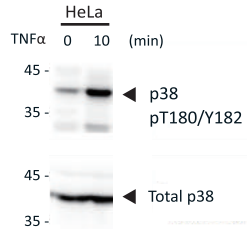
Cell marker	Component	Application
Neutrophil	Ly6G/Ly6C antibody [RB6-8C5]	Depletion, FACS, IHC-P, IHC-Fr, IP
Macrophage	F4/80 antibody [Cl:A3-1]	EM, FA CS, ICC/IF, IHC-P, IHC-Fr, IHC-R, IP, RIA, WB
T cell	CD3 antibody [CD3-12]	FACS, ICC/IF, IHC-P, IHC-Fr, WB
B cell	B220 antibody [RA3-6B2]	FACS, FuncSt, ICC/IF, IHC-P, IHC-Fr, IP

# MAPK activation

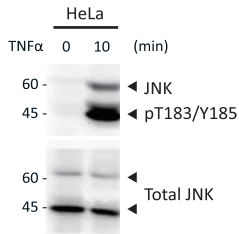
Phospho-ERK Antibody Duo (ARG30264)



Phospho-p38 Antibody Duo (ARG30272)

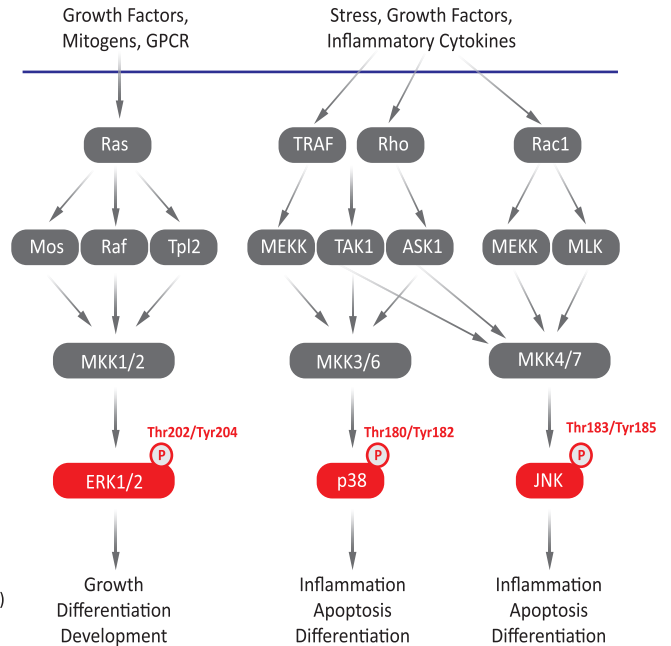


Phospho-JNK Antibody Duo (ARG30294)



## Latest citations

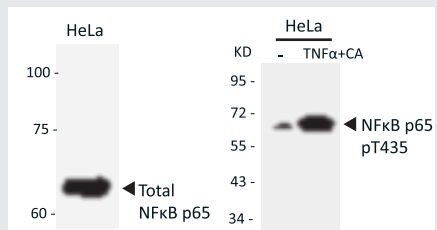
- ERK antibody (ARG55797)
  - ERK pThr202/Tyr204 antibody (ARG52277)
  - JNK antibody (ARG51218)
  - JNK pThr183 antibody (ARG51736)
  - p38 antibody (ARG54444)
  - p38 antibody (ARG55258)
  - p38 pThr180/Tyr182 antibody (ARG20124)
- Wang et al., (2018) Eur J Med Chem. 158:548-558. (WB / Hu)



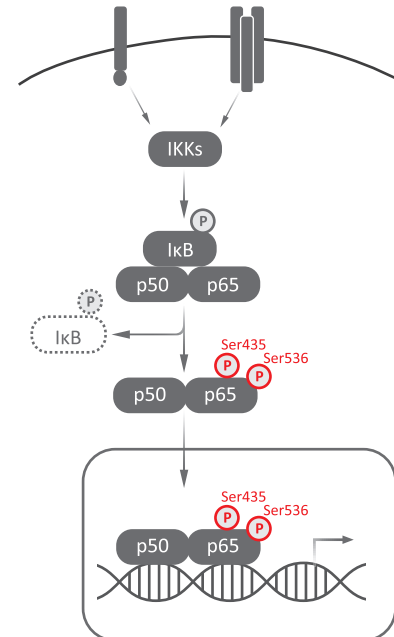
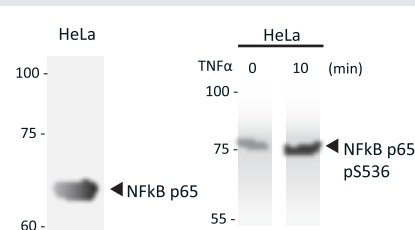
Signaling

# NFκB activation

Phospho-NFκB p65 Antibody Duo (ARG30254)



Phospho-NFκB p65 Antibody Duo (ARG30248)



Signaling

## Latest citations

**NFκB p65 antibody (ARG65677)**  
 Liu et al., (2018) *Mediators Inflamm.* 2018:6016272.  
 (ICC/IF, WB / Rat)

**IκBα antibody (ARG54710)**  
 Sonoki et al., (2018) *J Nutr Biochem.* 56:205-214.  
 (WB / Hu)

# Zika virus and Dengue virus antibodies

**Advantages**

- Specific
- Multiple applications

Zika virus NS1 antibody [SQab1609] (ARG65781)

 ELISA, FACS, ICC/IF, IHC-P, WB



Zika virus NS1 antibody [SQab1610] (ARG65782)

 ELISA, FACS, ICC/IF, WB



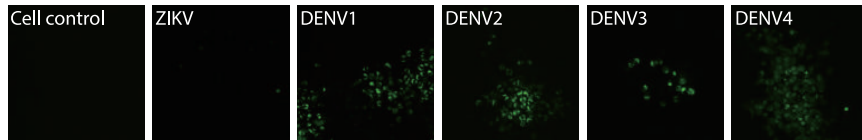
Zika virus Envelope (E) protein antibody [SQab1749] (ARG66286)

 ELISA, FACS, ICC/IF, IHC-P, WB



Dengue virus NS1 antibody [SQab1501] (ARG65660)

 ELISA, FACS, ICC/IF, WB



 **Latest citations**

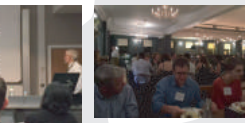
Zika virus NS1 antibody [SQab1609] (ARG65781)  
 Bollweg et al., (2017) J Pathol Clin Res. 4(1):19-25.  
 Rabelo et al., (2017) Front Immunol. 8:1704.

Zika virus NS1 antibody [SQab1610] (ARG65782)  
 Lee et al., (2017) Anal Chem. 89(23):12743-12748.



# Scientific activities





## Latest citations of antibodies

### Adiponectin antibody (ARG22406)

#### Angiotensin I/II 1-7 antibody (ARG70007)

Loria et al., (2018) Am J Physiol Regul Integr Comp Physiol. 315(6):R1085-R1095. (IHC-P / Rat)

### Akt pThr308 antibody (ARG51559)

Liu et al., (2018) Cancer Sci. 109(12):3762-3773. (WB / Ms)  
Wang et al., (2019) Mol Med Rep. 19(1):499-507. (WB / Rat)

### Akt pSer473 antibody (ARG51558)

Qiao et al., (2017) Toxicol Lett. 284:37-45. (WB / Rat)

### Aldolase antibody [E9] (ARG10693)

Zhang et al., (2019) J Cell Mol Med. 23(2):1001-1013. (IHC-P / Rat)

### Aquaporin 4 antibody (ARG22361)

Gao et al., (2019) Life Sci. 221:143-151. (ICC/IF, WB / Rat)

### Bax antibody (ARG65612)

#### Bcl-2 antibody (ARG55188)

Wang et al., (2018) Oncol Lett. 15(4):5887-5892. (WB / Ms)

### Bcl-2 antibody (ARG55188)

Xing et al., (2018) Cell Mol Neurobiol. 38(8):1453-1463. (WB / Rat)  
Xing et al., (2018) J Mol Neurosci. 66(1):26-36. (WB / Rat)

### BiP / GRP78 antibody (ARG20531)

Li et al., (2019) J Cell Physiol. doi: 10.1002/jcp.28175. (WB / Hu)  
Zhao et al., (2019) Oxid Med Cell Longev. 2019:7415212. (WB / Rat)

### CARM1 antibody (ARG53996)

Wang et al., (2016) Mol Cell. 64(4):673-687. (WB / Hu)

### Caspase-1 antibody (ARG10644)

Yan et al., (2019) Int Immunopharmacol. 71:61-67. (WB / Ms)

### Caspase-3 antibody [C33] (ARG20001)

Yan et al., (2017) J Biomed Sci. 24(1):1. (WB / Ms)

### Caspase-12 antibody (ARG55177)

Zhao et al., (2019) Oxid Med Cell Longev. 2019:7415212. (WB / Rat)  
Guan et al., (2019) Life Sci. 225:46-54. (WB / Rat)

### Cathepsin K antibody (ARG20173)

Liu et al., (2018) Cell Physiol Biochem. 45(5):1759-1771. (IHC-P, WB / Hu)

### CCL15 antibody (ARG66039)

#### MMR antibody (ARG22372)

Yin et al., (2019) Cell Oncol (Dordr). doi: 10.1007/s13402-019-00446-y. (ICC, WB / Hu)

### CD31 antibody (ARG52748)

Lin et al., (2018) J Tissue Eng Regen Med. 12(10):2099-2111. (ICC/IF / Hu)  
Xu et al., (2018) J Exp Clin Cancer Res. 37(1):207. (IHC-P / Ms)  
Chen et al., (2018) Cell Death Differ. doi: 10.1038/s41418-018-0220-6. (IHC-P / Ms)  
Yang et al., (2019) Cancer Res. 79(3):557-571. (IHC-P / Ms)  
Su et al., (2019) ACS Nano. 13(4):4290-4301. (IHC-P / Ms)

### CD31 antibody [1A10] (ARG56068)

Ishida et al., (2018) Int J Legal Med. 132(1):237-242. (IHC-P / Hu)

### CD34 antibody [QBEND/10] (ARG52756)

Wu et al., (2018) Dig Dis Sci. 63(1):113-125. (IHC-P / Hu)

### CD68 antibody [ED1] (ARG23387)

Qiao et al., (2018) Carbohydr Polym. 201:347-356. (IHC-P / Rat)

### Collagen II antibody [5B2.5] (ARG62450)

Wang et al., (2018) Stem Cell Res Ther. 9(1):199. (ICC/IF, WB / Rb)

### DMP1 antibody (ARG64688)

Kim et al., (2018) Sci Rep. 8(1):2057. (WB / Hu)

### E-Cadherin antibody [SQab1717] (ARG66195)

Vimentin antibody [SQab1721] (ARG66199)  
ZEB1 antibody (ARG57524)  
JAK2 antibody (ARG57629)  
JAK2 pTyr1007/Tyr1008 antibody (ARG57812)  
GAPDH antibody [6C5] (ARG10112)  
Li et al., (2019) J Exp Clin Cancer Res. 38(1):6. (WB / Hu)

### EGFR antibody (ARG54163)

Li et al., (2017) Acta Biomater. 68:204-213. (WB / Hu)

### eIF2 $\alpha$ antibody (ARG51244)

eIF2 $\alpha$  pSer51 antibody (ARG51760)  
STAT3 antibody (ARG54150)  
STAT3 pSer727 antibody (ARG51550)  
Zhu et al., (2018) Cell Biochem Funct. 36(5):280-287. (WB / Hu)

### ERK antibody [E31R] (ARG62350)

ERK pThr202 antibody (ARG51732)  
JNK antibody (ARG51218)  
JNK pThr183 antibody (ARG51736)  
p38 antibody (ARG54444)  
p38 antibody (ARG55258)  
p38 pThr180/Tyr182 antibody (ARG20124)  
Lai et al., (2017) Inflammation. 40(1):1-12. (WB / Ms)

### GFAP antibody (ARG52312)

Du et al., (2017) Front Mol Neurosci. 10:409. (IHC / Ms)

### HBV preS2 antibody [SQab1507] (ARG65666)

Liu et al., (2018) PLoS Pathog. 14(5):e1007085. (WB / HBV)

**Histone H3 Trimethyl (Lys27) antibody (ARG54767)**  
Li et al., (2018) Nat Commun. 9(1):1726. (ChIP / Ms)

**Hsp27 antibody (ARG65757)**  
Liu et al., (2019) Int J Cancer. doi: 10.1002/ijc.32301. (WB / Hu)

**Hsp60 antibody (ARG54173)**  
Li et al., (2018) J Virol. 92(8). (WB / Hu)

**Iba1 antibody (ARG63338)**  
Shi et al., (2018) Transl Neurodegener. 7:21. (IHC-P / Ms)  
Zhang et al., (2018) J Neuroinflammation. 15(1):37. (IHC-P / Ms)  
Wang et al., (2019) Front Aging Neurosci. 11:3. (IHC-P / Ms)

**IL17/IL17A antibody (ARG55256)**  
Li et al., (2019) J Exp Clin Cancer Res. 38(1):6. (IHC-P / Hu)

**iNOS antibody (ARG56509)**  
Mottetlini et al., (2019) Redox Biol. 20:334-348. (IHC-P / Ms)

**Lamin B1 antibody (ARG65740)**  
Xiong et al., (2018) J Neurol Sci. 387:210-219. (WB / Ms)

**MAP2 antibody (ARG52328)**  
Chen et al., (2019) Brain Behav Immun. pii: S0889-1591(19)30058-3. (IHC-Fr / Ms)

**MMP9 antibody (ARG54980)**  
Li et al., (2017) Oncotarget. 8(49):85276-85289. (WB / Hu)  
Wu et al., (2018) Int J Oncol. 52(6):2001-2010. (WB / Hu)

**NeuN antibody [1B7] (ARG52283)**  
Liu et al., (2017) Transl Stroke Res. 8(3):244-256. (IHC-P / Rat)

**Osteocalcin antibody [OC4-30] (ARG54605)**  
Chen et al., (2017) Oncotarget. 8(42):72676-72699. (WB / Rat)  
Lin et al., (2018) J Tissue Eng Regen Med. 12(10):2099-2111. (ICC/IF / Hu)

**p70 S6K pThr389 antibody (ARG20149)**  
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