

CELL BIOLOGY ANTIBODIES

Abbexa is a supplier of biological tools, providing the scientific community with primary antibodies, secondary antibodies, proteins, ELISA kits and enzymes as well as other kits and tools for use in research.

Working with various laboratories across the World, we aim to develop relevant, high quality, tested products for the biomedical research market.



Primary
Antibodies



ELISA
Kits



Enzymes



Secondary
Antibodies



Chemicals
and
Reagents



Proteins
and
Peptides

FACS

(Flow Cytometry)



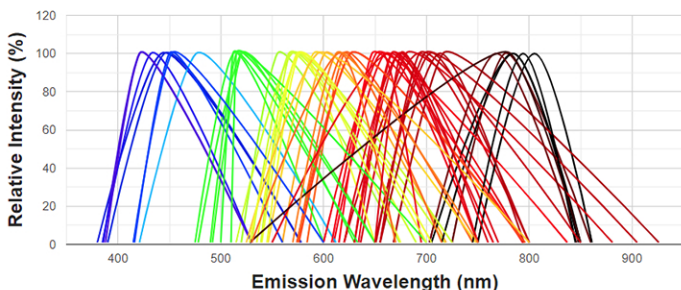
Flow Cytometry is a method used for the separation, classification and quantification of cells. Samples are suspended in fluid, and are then focused via computerised mechanisms into a mono-cellular stream which is passed through a beam of laser light. Through the measurement of scattered light, cells can be categorised by size, and subsequently by cell type.

Antibodies conjugated to both fluorescent dyes and fluorescent intercalating agents are often used to mark specific cell components; targets will display a fluorescent light emission which is proportional to the total target presence in the cell. Size analysis, in conjunction with counted fluorescent emission, enables the determination and characterisation of specific cellular subsets, even when the size of the cell is identical to other subset species. This provides a simultaneous multi-parameter analysis of single cells for the characterisation and definition of different cell types in heterogeneous cell populations.

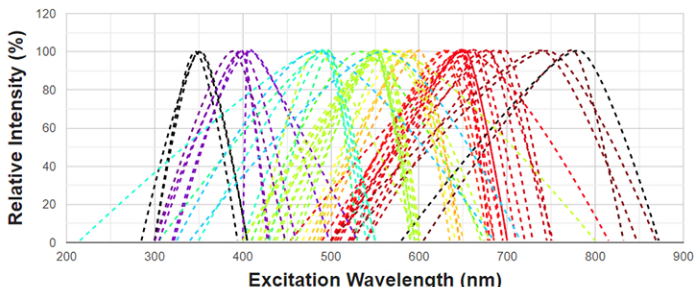
Spectraviewer - Fluorescent Dyes

- AF350
- AF405
- AF488
- AF532
- AF555
- AF568
- AF694
- AF633
- AF647
- AF680
- AF750
- AF790
- AMCA
- APC
- APC / CF750
- APC / Cyanine 7
- ATTO 390
- ATTO 488
- ATTO 565
- ATTO 594
- ATTO 633
- ATTO 655
- ATTO 680
- ATTO 700
- CF-Blue
- Cyanine 3
- Cyanine 5
- Cyanine 7
- DL
- DL 350
- DL 405
- DL 488
- DL 594
- DL 549
- DL 633
- DL 650
- DL 649
- DL 680
- DL 800
- FITC
- IF488
- IF555
- OC-015
- Pacific Blue
- PE
- PE / ATTO 594
- PE / Cyanine 5
- PE / Cyanine 5.5
- PE / Cyanine 7
- PE / DL 594
- PerCP
- PerCP / Cyanine 5.5
- Texas Red
- TRITC

Fluorescence Spectraviewer - Emission



Fluorescence Spectraviewer - Excitation



COMBINATION ANTIBODIES

abx200642

CD45RA/CD62L/CD3/CD4
combination Antibody
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG3, IgG2a, IgG2a, IgG2a
Conjugations: FITC, PE, PerCP, APC

abx200643

CD45RA/CD62L/CD3/CD8
combination Antibody
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG1, IgG2a, IgG2a, IgG1
Conjugations: FITC, PE, PerCP, APC

abx200640

CD45RA/CD45RO/CD3/CD4
combination Antibody
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG1, IgG2a, IgG2a, IgG2a
Conjugations: FITC, PE, PerCP, APC

abx200641

CD45RA/CD45RO/CD3/CD8
combination Antibody
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG1, IgG2a, IgG2a, IgG2a
Conjugations: FITC, PE, PerCP, APC

abx200596

CD3/CD4 combination Antibody
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG2a, IgG2a
Conjugations: FITC, PE

abx200637

CD103/CD22/CD20
combination Antibody
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG1, IgG2a, IgG2a
Conjugations: FITC, PE, PerCP

abx200638

CD3/CD8/CD45/CD4
combination Antibody
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG2a, IgG1, IgG1, IgG1
Conjugations: FITC, PE, PE/Cyanine 5, APC

abx200639

CD3/CD16+56/CD45/CD19
combination Antibody
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG2a, IgG1, IgG1, IgG1, IgG2a
Conjugations: FITC, PE, PE/Cyanine 5, APC

abx200630

IC IgG1/IgG1/CD45
combination Antibody
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG1, IgG1, IgG1
Conjugations: FITC, PE, PerCP

abx200600

CD4/CD8
combination Antibody
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG2a, IgG1
Conjugations: FITC, PE

STANDARD LOADING CONTROLS



Loading controls are typically proteins that exhibit high-level, constitutive expression in a specific cell type or sample.

- The density of the loading control band can be used to quantify protein expression when lanes have been unevenly loaded
- Used to highlight, and correct the variation of, edge effects
- Allow checks for equal transfer between gel and membrane in Western Blots

They are crucial in producing reliable results when comparing levels of protein expression in different samples.

Loading controls need to have a different molecular weight to the protein of interest (to allow clear, separate bands).

Whole Cell, Cytoskeleton

Alpha Tubulin

abx005573

Sizes: 50µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC
Immunogen: Recombinant protein of human Tubulin protein

abx019012

Sizes: 100µg
Reactivity: Human, Mouse, Rat, Dog, Rabbit, Pig, Cat, Chicken, Sea Urchin, Algae
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: Purified human α -Tubulin protein
Isotype: IgG1

abx134672

Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: Recombinant protein corresponding to human Alpha-tubulin.
Isotype: IgG

abx230334

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC, IF/ICC
Isotype: IgG

abx230335

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC, FCM, IP
Isotype: IgG1

Beta Tubulin

abx121030

Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB
Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Beta-tubulin. Exact sequence is proprietary.
Isotype: IgG1

abx025155

Sizes: 80µl, 400µl
Reactivity: Human, Mouse
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: Human TB55 recombinant protein
Isotype: IgG2b Kappa

STANDARD LOADING CONTROLS

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abx139403

Sizes: 0.1mg
Reactivity: Human, Pig, Mouse, Plant
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC-F, IF/ICC
Immunogen: Beta-tubulin from porcine brain
Isotype: IgM

abx132364

Sizes: 100µg, 200µg, 1mg
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: Recombinant Tubulin Beta (TUBb) (Val170-Val419) expressed in E. Coli
Isotype: IgG2b Kappa

abx019025

Sizes: 100µg
Reactivity: Human, Mouse, Rat, Monkey, Hamster, Dog
Host: Mouse
Clonality: Monoclonal
Tested Applications: ELISA, WB, IF/ICC
Immunogen: Protein fragment on C-terminal of human β-Tubulin
Isotype: IgG1

Beta Actin

abx445183

Sizes: 100µg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IF/ICC
Immunogen: Synthetic peptide from the mid-protein range of human beta Actin.
Isotype: IgG
Conjugation: ALP

abx445176

Sizes: 100µg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IF/ICC
Immunogen: Synthetic peptide from the mid-protein range of human beta Actin
Isotype: IgG1

abx105088

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Recombinant human Actin, cytoplasmic 1 protein (102-375AA)
Isotype: IgG
Conjugation: Biotin

abx106505

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Recombinant human Actin, cytoplasmic 1 protein (102-375AA)
Isotype: IgG
Conjugation: FITC

abx445178

Sizes: 100µg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IF/ICC
Immunogen: Synthetic peptide from the mid-protein range of human beta Actin
Conjugation: ATTO594

GAPDH

abx134149

Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat, Rabbit, Chicken, Monkey, Sheep, Frog
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC
Immunogen: Recombinant protein corresponding to human GAPDH
Isotype: IgG

abx019088

Sizes: 100µg
Reactivity: Human, Monkey
Host: Mouse
Clonality: Monoclonal
Tested Applications: ELISA, WB, IF/ICC
Immunogen: A synthetic peptide (conjugated to KLH) corresponding to the C-terminal of human GAPDH
Isotype: IgG1

abx132411

Sizes: 100µg, 200µg, 1mg
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: Recombinant Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) (Gly2-Ser148) expressed in E. coli
Isotype: IgG1 Kappa

abx445472

Sizes: 100µg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IF/ICC
Immunogen: Synthetic peptide from the mid-protein of human GAPDH
Conjugation: ALP

abx300654

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Hamster
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Recombinant Cricetus griseus Glyceraldehyde-3-phosphate dehydrogenase protein (2-333AA)
Conjugation: HRP

STANDARD LOADING CONTROLS

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Nuclear Histone H3

abx133043

Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Mouse, Rabbit, Cow, Chicken, Zebrafish
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC
Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Histone H3. The exact sequence is proprietary.

abx001905

Sizes: 20µl, 50µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, ChIP
Immunogen: Recombinant protein of human Histone H3
Isotype: IgG

abx134291

Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB
Immunogen: Recombinant protein corresponding to human Histone H3
Isotype: IgG

abx329317

Sizes: 50µg, 100µg
Reactivity: Human, Mouse, Rat
Host: Mouse
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC, IF/ICC
Immunogen: Synthesized peptide derived from human Histone H3 around the non-phosphorylation site of S10.
Isotype: IgG

abx329592

Sizes: 50µg, 100µg
Reactivity: Human, Mouse, Rat
Host: Mouse
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC, IF/ICC
Immunogen: Synthesized peptide derived from human Histone H3 around the non-acetylation site of K14
Isotype: IgG

Lamin B1

abx234682

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC, IF/ICC
Immunogen: Lamin B1
Isotype: IgG
Molecular Weight: 70 kDa

abx431391

Sizes: 200µl
Reactivity: Human
Host: Goat
Clonality: Polyclonal
Tested Applications: P-ELISA, WB
Immunogen: Internal region (near C-Terminus), 526-537 AA: C-DVKKVILKNSQGE
Isotype: IgG

abx134415

Sizes: 30µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IP
Immunogen: Recombinant protein corresponding to human Lamin B1.
Isotype: IgG

abx314423

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Recombinant human Lamin-B1 protein (385-552AA)
Isotype: IgG
Conjugation: FITC

abx314422

Sizes: 20µg, 50µg, 100µg, 200µg, 1mg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA
Immunogen: Recombinant human Lamin-B1 protein (385-552AA)
Isotype: IgG
Conjugation: HRP

Mitochondria VDAC1

abx327722

Sizes: 50µg, 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB
Immunogen: Synthesized peptide derived from the N-terminal region of human VDAC1
Isotype: IgG

abx132362

Sizes: 100µg, 200µg, 1mg
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: Recombinant Voltage Dependent Anion Channel Protein 1 (VDAC1) (Ala2-Ala283) expressed in E. coli
Isotype: IgG2b Kappa

abx445067

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: Fusion protein amino acids 1-283 (full-length) of human VDAC1. Mouse: 98% identity (279/283 amino acids identical). Rat: 98% identity (279/283 amino acids identical) >60% identity with VDACC2 and VDACC3.

abx441059

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Mouse | **Clonality:** Monoclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: Fusion protein amino acids 1-283 (full-length) of human VDAC1. Mouse: 98% identity (279/283 amino acids identical). Rat: 98% identity (279/283 amino acids identical) >60% identity with VDACC2 and VDACC3.
Conjugation: ATTO594

abx442464

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Mouse | **Clonality:** Monoclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: Fusion protein amino acids 1-283 (full-length) of human VDAC1. Mouse: 98% identity (279/283 amino acids identical). Rat: 98% identity (279/283 amino acids identical) >60% identity with VDACC2 and VDACC3.
Conjugation: ALP

COXIV (COX4)

abx231913

Sizes: 100µg
Reactivity: Human, Mouse
Host: Mouse
Clonality: Monoclonal
Tested Applications: ELISA, WB, IHC, IF/ICC, FCM
Isotype: IgG1

abx445406

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IF/ICC
Immunogen: Synthetic peptide of Human COX-4
Conjugation: Biotin

abx445407

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IF/ICC
Immunogen: Synthetic peptide of Human COX-4
Conjugation: FITC

abx445408

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IF/ICC
Immunogen: Synthetic peptide of Human COX-4
Conjugation: HRP

abx445405

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IF/ICC
Immunogen: Synthetic peptide of Human COX-4
Conjugation: APC

STANDARD LOADING CONTROLS



Mitochondria TOMM20

abx005196

Sizes: 20µl, 50µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: Recombinant protein of human TOMM20
Isotype: IgG
Molecular Weight: Calculated: 16 kDa
Observed: 16 kDa

abx014600

Sizes: 10µg, 100µg, 200µg, 300µg, 1mg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB
Immunogen: The antiserum was produced against synthesized peptide derived from internal of human TOMM20
Isotype: IgG

abx116213

Sizes: 50µl, 150µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC
Immunogen: Human TOM20
Isotype: IgG

abx322332

Sizes: 50µl, 100µl
Reactivity: Human, Mouse
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC, IF/ICC
Immunogen: Recombinant human Mitochondrial import receptor subunit TOM20 homolog protein (20-145AA)
Isotype: IgG

abx327887

Sizes: 50µg, 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB
Immunogen: Synthesized peptide derived from the internal region of human TOM20
Isotype: IgG