

Cell Biology Antibodies



Abbexa is a supplier of biological tools, providing the scientific community with Primary Antibodies, Secondary Antibodies, Proteins and Peptides, ELISA kits and Enzymes as well as other kits and tools for use in research.

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

Abbexa emphasizes quality and reliability, and always strives to support the scientific community with products that can help advance research and contribute to discoveries in the life sciences. We offer comprehensive technical support to assist with assay setup, troubleshooting, and data interpretation. Please email info@abbexa.com with any queries or visit Abbexa's website at www.abbexa.com.



Flow Cytometry

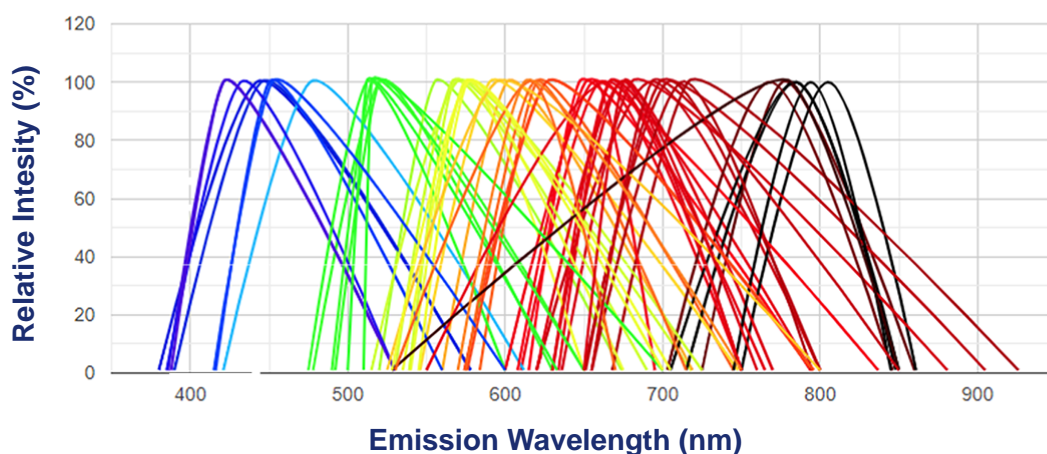
Flow Cytometry is a method used for the separation, classification and quantification of cells. Samples are suspended in fluid, and are then focused into a mono-cellular stream which is passed through a beam of laser light. Through the measurement of scattered light, cells can be categorised by size,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

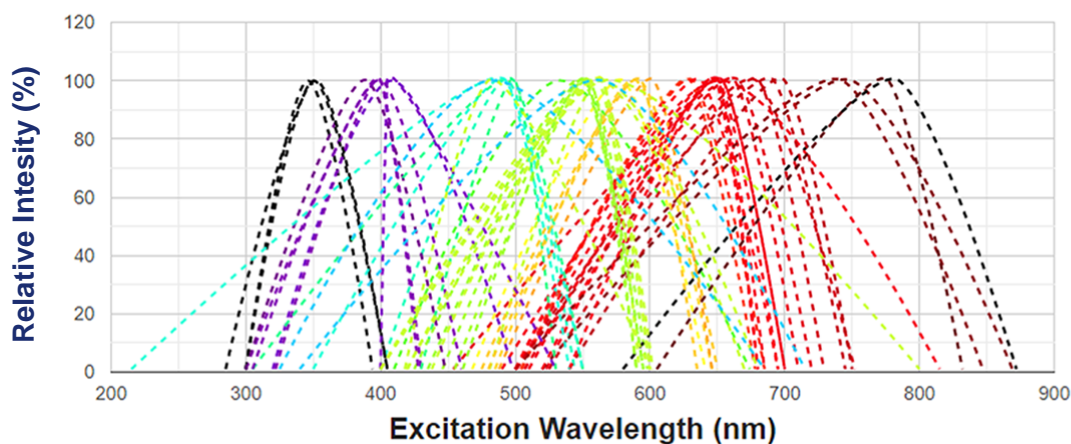
Spectraviewer - Fluorescent Dyes

AF350
AF405
AF488
AF532
AF555
AF568
AF594
AF633
AF647
AF660
AF680
AF750
AF790
AMCA
APC
APC / C750
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
DIL
DL 350
DL 405
DL 488
DL 594
DL 549
DL 633
DL 650
DL 649
DL 680
DL 800
FITC
IF488
IF555
OC-515
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



Products

abx410017

CD3/CD4
Combination Antibody
Reactivity: Dog
Host: Mouse, Rat
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG, IgG2a
Conjugations: FITC, PE

abx410018

CD3/CD8
Combination Antibody
Reactivity: Dog
Host: Mouse, Rat
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG1, IgG1
Conjugations: FITC, PE

abx410011

CD4/CD8
Combination Antibody
Reactivity: Mouse
Host: Rat
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG2b, IgG2a
Conjugations: FITC, PE

abx410012

CD4/CD8
Combination Antibody
Reactivity: Mouse
Host: Rat
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG2a, IgG2a
Conjugations: FITC, PE

abx410019

CD3/CD4
Combination Antibody
Reactivity: Dog
Host: Rat
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG2a, IgG1
Conjugations: FITC, PE

abx159409

CD4/CD8/CD3
Combination Antibody
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: FCM
Isotype: IgG2b, IgG1, IgG2a
Conjugations: FITC, PE, PE/Cyanine 5



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

- Loading controls can be used to quantify protein expression when lanes have been unevenly loaded.
- Highlight and correct the variation of edge effects.
- Check 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, IF/ICC
Immunogen: Recombinant protein containing a sequence corresponding to amino acids 1-180 of human α -Tubulin.

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

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: ELISA, WB, IHC, IF/ICC, FCM, IP
Isotype: IgG2b

Beta Tubulin

abx025155

Sizes: 80µl, 400µl
Reactivity: Human, Mouse, Rat
Host: Mouse
Clonality: Monoclonal
Tested Applications: ELISA, WB, IHC, IF/ICC
Immunogen: Human TBB5 recombinant protein
Isotype: IgG2b Kappa



Beta Actin

abx132364

Sizes: 100µl, 200µg, 1ml
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC
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

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

abx230869

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

abx129303

Sizes: 100µl, 200µg, 1ml
Reactivity: Human, Mouse, Rat, Guinea pig, Dog, Pig, Cow, Sheep, Horse, Chicken
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: abx166379 - Recombinant Beta Actin (ACTB) Protein (Met1-Phe375) expressed in E. coli

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

abx019022

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB
Immunogen: A synthetic peptide (conjugated with KLH) corresponding to the region of Beta-Actin

GAPDH

abx104161

Sizes: 100µl, 200µg, 1ml
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC
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: 100µl, 200µl, 1ml
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: abx066862 - Recombinant Glyceralde GAPDH (Gly2-Ser148) expressed in E. coli
Isotype: IgG1 Kappa

abx271816

Sizes: 200µl, 1ml
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IF/ICC
Immunogen: Synthetic peptide from the mid-protein of human GAPDH
Conjugation: ALP



Nuclear Histone H3

abx129305

Sizes: 100µl, 200µl, 1ml
Reactivity: Human, Mouse, Rat, Rabbit, Monkey, Dog, Cow, Horse, Chicken
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC
Immunogen: H3 (Met1-Ala136)

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-DVKVILKNSQGE
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: 100µl, 200µl, 1ml
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Tested Applications: WB, IHC, IF/ICC
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 VDAC2 and VDAC3.

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 VDAC2 and VDAC3
Conjugation: ATTO594

COXIV (COX4)

abx231913

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

abx231912

Sizes: 100µg
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB, IHC, IF/ICC, FCM, IP
Immunogen: cytochrome c oxidase subunit IV isoform 1
Immunogen: IgG

abx010615

Sizes: 100µl
Reactivity: Human, Monkey, Rat, Mouse
Host: Mouse
Clonality: Monoclonal
Tested Applications: ELISA, WB, IF/ICC, FCM
Immunogen: Purified recombinant fragment of human COX4I1 expressed in E. coli
Isotype: IgG1

abx037436

Sizes: 100µg
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Tested Applications: ELISA, WB
Immunogen: A peptide corresponding to the N-terminal region of human COX iv protein
Isotype: IgG



Mitochondria
TOMM20

abx005196

Sizes: 20µl, 50µl, 100µl, 200µl
Reactivity: Human, Mouse, Rat
Host: Rabbit
Clonality: Polyclonal
Tested Applications: WB, IHC, IF/ICC, IP
Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-145 of human TOM20
Isotype: IgG

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: 100µl
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

