

Mouse CD45 Monoclonal Antibody | anti-CD45 antibody

MOUSE ANTI HUMAN CD45

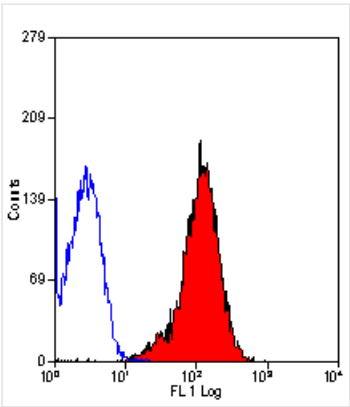
CATALOG #	HOST	APPLICATIONS
AAA12014	Mouse	Immunohistochemistry, Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry

PRODUCT SYNONYMS

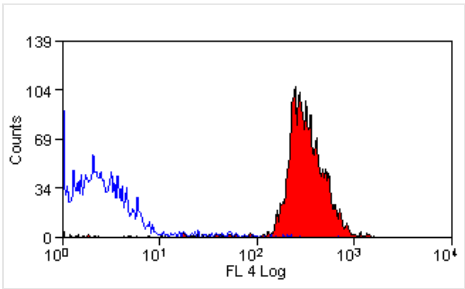
CD45; Monoclonal Antibody; MOUSE ANTI HUMAN CD45; anti-CD45 antibody

PRODUCT SPECIFICATIONS

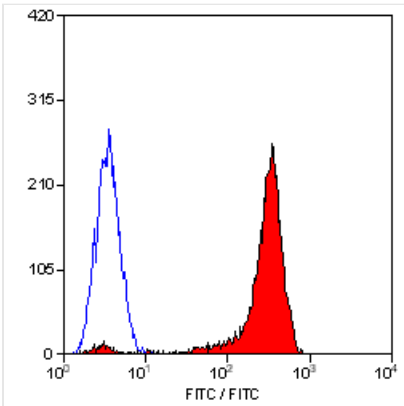
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	F10-89-4
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	1306
Applicable Applications for anti-CD45 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Immunohistology - Frozen: Minimum Dilution: 1/500; Maximum Dilution: 1/1000 Flow Cytometry: Minimum Dilution: 1/10; Maximum Dilution: 1/50 Immunohistology - Paraffin: Minimum Dilution: 1/100; Maximum Dilution: 1/200; Application Note: This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. EDTA pH8.0 is recommended for this purpose.
Perservative Stabilisers	0.09% Sodium Azide Preparation
Immunogen	Human T lymphocytes Histology Positive Control Tissue
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



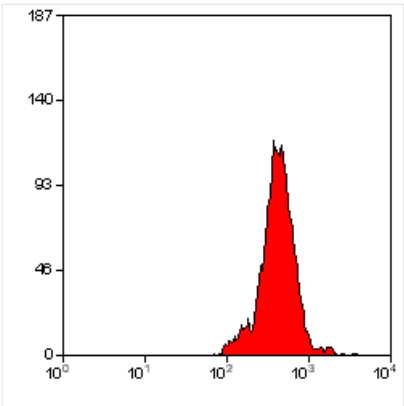
Application Data
Staining of human peripheral blood granulocytes with Mouse anti Human CD45: Pacific Blue (AAA12014PB)



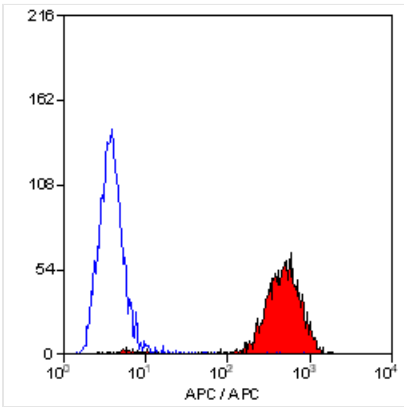
Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD45:PECy5.5



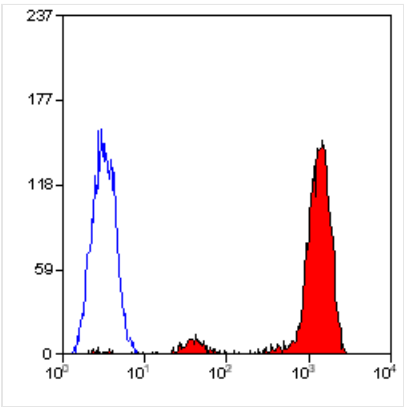
Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD45:Biotin



Application Data
Staining of human peripheral blood granulocytes with Mouse anti Human CD45:Alexa Fluor 647 (AAA12014A647)



Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD45:APC



Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD45:Alexa Fluor 488

ADDITIONAL INFORMATION

Related Product Information for anti-CD45 antibody	Mouse anti Human CD45 antibody, clone F10-89-4 recognizes the human CD45 cell surface antigen, also known as the leucocyte common antigen (LCA). CD45 is a complex molecule existing in a number of isoforms. Antibodies recognising a common epitope on all of these isoforms are termed CD45 whilst those recognising only individual isoforms are termed CD45RA or CD45RO etc. Mouse anti Human CD45 antibody, clone F10-89-4 reacts with all forms of CD45 expressed by all haematopoietic cells, except erythrocytes, having a higher level of expression on lymphocytes than on granulocytes. Mouse anti Human CD45 antibody, clone F10-89-4 is routinely tested in flow cytometry on human peripheral blood leucocytes
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NCBI AND UNIPROT INFORMATION

NCBI GI #	392307007
NCBI GeneID	5788
NCBI Accession #	NP_002829.3
NCBI GenBank Nucleotide #	NM_002838.4
UniProt Accession #	P08575; Q16614; Q9H0Y6; A8K7W6
Molecular Weight	130,898 Da
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase C isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, C
NCBI Official Symbol	PTPRC
NCBI Official Synonym Symbols	LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180
NCBI Protein Information	receptor-type tyrosine-protein phosphatase C; CD45 antigen; T200 glycoprotein; T200 leukocyte common antigen; protein tyrosine phosphatase, receptor type, c polypeptide
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase C
UniProt Gene Name	PTPRC
UniProt Synonym Gene Names	CD45; L-CA
UniProt Entry Name	PTPRC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd45-antibody-clone-f10-89-4-immunohistochemistry-flow-cytometry-immunoprecipitation-immunohistochemistry-elisa/12014>