

Mouse CD45 Monoclonal Antibody | anti-CD45 antibody

MOUSE ANTI RAT CD45

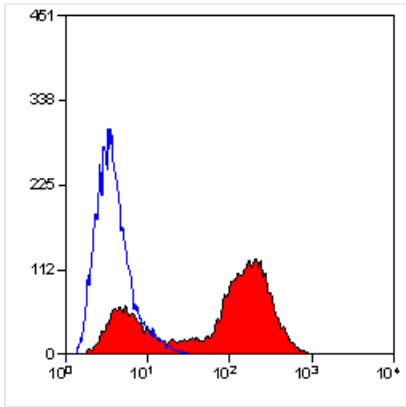
CATALOG # AAA49405	HOST Mouse	APPLICATIONS Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry
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PRODUCT SYNONYMS

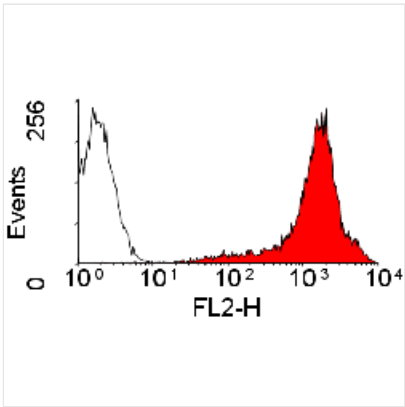
CD45; Monoclonal Antibody; MOUSE ANTI RAT CD45; anti-CD45 antibody

PRODUCT SPECIFICATIONS

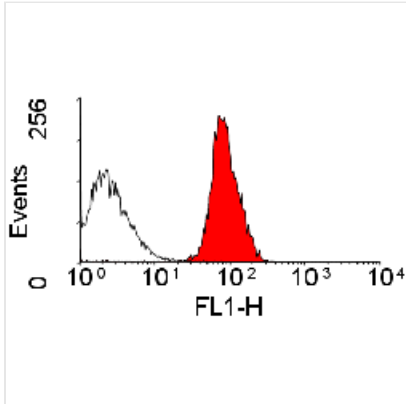
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	OX-1
Specificity	Mouse anti Rat CD45 antibody, clone OX-1 recognizes CD45, also known as the leucocyte common antigen (LCA). The leucocyte common antigen consists of a family of heavily glycosylated membrane glycoproteins of molecular weight 180 - 240kDa. Antibodies recognising a common epitope on all of these isoforms are termed CD45, whilst those recognising only individual isoforms are termed CD45RA, CD45RO etc. OX-1 reacts with all forms of CD45 expressed by all haematopoietic cells, except erythrocytes. CD45 isoforms play complex roles in T-cell and B-cell antigen receptor signal transduction. This product is routinely tested in flow cytometry on rat splenocytes
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	1190
Applicable Applications for anti-CD45 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Carrier Free	Yes
Immunogen	Rat thymocyte membrane glycoproteins
Fusion Partners	Spleen cells from BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.
Buffer Solution	Phosphate buffered saline
Target Species	Rat
Preparation and Storage	Store at 4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.



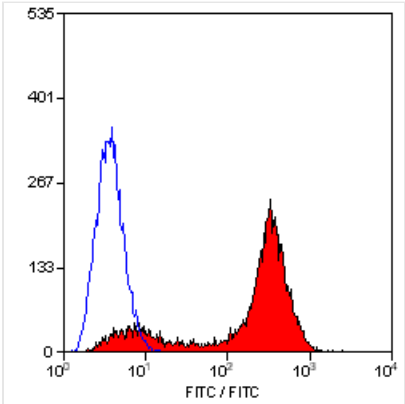
Application Data
Staining of rat spleen cells with Mouse anti Rat CD45:Alexa Fluor 488



Application Data
Staining of rat spleen cells with Mouse anti Rat CD45: RPE



Application Data
Staining of rat peripheral blood lymphocytes with Mouse anti Rat CD45



Application Data
Staining of rat spleen cells with Mouse anti Rat CD45:FITC

NCBI AND UNIPROT INFORMATION

NCBI GI #	158138490
NCBI GeneID	24699
NCBI Accession #	NP_001103357.1
NCBI GenBank Nucleotide #	NM_001109887.1
UniProt Accession #	P04157
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase C isoform 3
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, C
NCBI Official Symbol	Ptprc
NCBI Official Synonym Symbols	Lca; RT7; CD45; L-CA; T200
NCBI Protein Information	receptor-type tyrosine-protein phosphatase C; Protein tyrosine phosphatase, receptor-type, c polypeptide; T200 glycoprotein; leucocyte common antigen; leucocyte common antigen A; leucocyte common antigen B
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase C
UniProt Gene Name	Ptprc
UniProt Synonym Gene Names	L-CA
UniProt Entry Name	PTPRC_RAT

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-ox-1-immunofluorescence-flow-cytometry-immunohistochemistry-elisa/49405>