

Mouse CD45RO Monoclonal Antibody | anti-PTPRC antibody

CD45RO (T-Cell Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62649	Mouse	Human, Chimpanzee, Common Marmoset	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

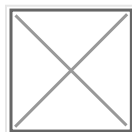
PRODUCT SYNONYMS

CD45RO; Monoclonal Antibody; CD45RO (T-Cell Marker) Mouse Monoclonal Antibody; T200; GP180; LCA; Leukocyte Common Antigen; LY5; Receptor-type tyrosine-protein phosphatase C; T200 glycoprotein; anti-PTPRC antibody

PRODUCT SPECIFICATIONS

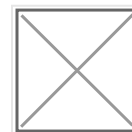
Host	Mouse
Reactivity	Human, Chimpanzee, Common Marmoset
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	UCLH-1
Specificity	Recognizes a 180-185kDa protein, identified as isoform of leukocyte common antigen (CD45RO) (4th Leukocyte Typing Workshop: Code No. N31). The epitope recognized by this antibody is sensitive to neuraminidase digestion. This antibody reacts with mature activated T-cells, most thymocytes, and a sub-population of resting T-cells within both CD4 and CD8 subsets. It shows no reactivity with normal B or natural killer cells, but reacts with granulocytes and monocytes. Reportedly, it is useful to identify T-cell lymphomas and leukemias. It rarely stains NK cells or B-cell lymphomas.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	1306
Applicable Applications for anti-PTPRC antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface
Immunogen	Cultured human T-cells from an IL-2-dependent T-cell line (CA1)
Hu-Chromosome Location	1q31.3
Positive Control	CCRF-CEM, Jurkat or MOLT-4 cells. Paracortex in a tonsil or a reactive lymph node.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



FCM/FACS (Flow Cytometry)

Flow Cytometry of hPBMC using CD45RO Monoclonal Antibody (UCLH-1).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with CD45RO Monoclonal Antibody (UCLH-1).

ADDITIONAL INFORMATION

References	Knapp W, et al. Eds. 1989. Leucocyte Typing IV. Oxford University Press. New York.2. Ishii T, et al. 2001. P. Natl. Acad. Sci. USA 98:12138.3. Ponsford M, et al. 2001. Clin. Exp. Immunol. 124:315.
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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	180-185kDa
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
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/cd45ro-antibody-clone-uchl-1-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62649>