

Mouse CD45RO Monoclonal Antibody | anti-PTPRC antibody

CD45RO (T-Cell Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62640	Mouse	Human, Chimpanzee, Common Marmoset	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

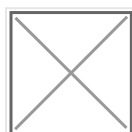
PRODUCT SYNONYMS

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	SPM125
Specificity	Recognizes a 180-185kDa protein, identified as isoform of leukocyte common antigen (CD45RO). 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



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Lymphoma stained with CD45RO Monoclonal Antibody (SPM125).

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. 124:315.4. Yamada M, et al. 1996. Stroke 27:1155. 5. Sakkas LI, et al. 1998. Clin. Diagn. Lab. Immunol. 5:430
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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-spm125-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62640>