

Mouse anti-Human CD45RB Antibody | anti-CD45RB antibody

CD45RB (B-Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215174	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

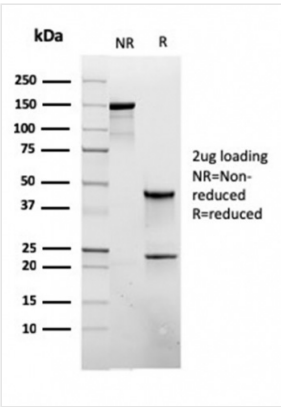
PRODUCT SYNONYMS

CD45RB; CD45RB (B-Cell Marker); B220; CD45R; GP180; Leukocyte common antigen (LCA); Loc; Ly-5; Lyt-4; Protein tyrosine phosphatase receptor type C (PTPRC); Receptor-type tyrosine-protein phosphatase C; T200 glycoprotein; anti-CD45RB antibody

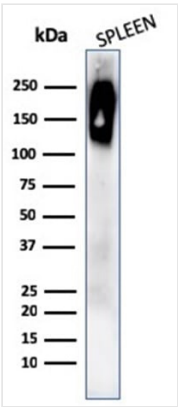
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1, kappa
Clone Number	rPTPRC/1132
Specificity	CD45R, also designated CD45 and PTPRC, has been identified as a transmembrane glycoprotein, broadly expressed among hematopoietic cells. Multiple isoforms of CD45R are distributed throughout the immune system according to cell type. These isoforms arise because of alternative splicing of exons 4, 5, and 6. The corresponding protein domains are characterized by the binding of monoclonal antibodies specific for CD45RA (exon 4), CD45RB (exon 5), CD45RC (exon 6) and CD45RO (exons 4 to 6 spliced out). The variation in these isoforms is localized to the extracellular domain of CD45R, while the intracellular domain is conserved. CD45RB is expressed on mature B-lymphocytes and the majority of lymphomas and leukemias of B-cell origin.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
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-CD45RB antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	Raji, Ramos, U-698 or GA-10 cells. Tonsil and Spleen.
Immunogen	Recombinant full-length human CD45RB protein
Cellular Localization	Cell Surface
Hu-chromosome Location	1q31.3
Antibody Type	Recombinant Mouse Monoclonal Antibody
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.

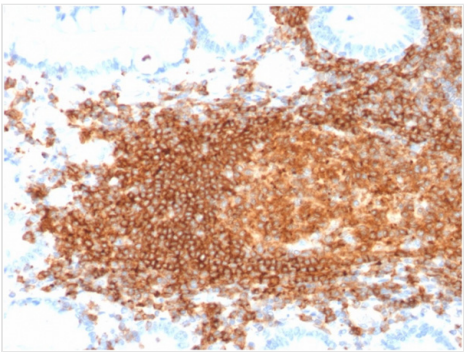
IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified CD45RB Recombinant Mouse Monoclonal Antibody (rPTPRC/1132). Confirmation of Integrity and Purity of Antibody.



WB (Western Blot)
Western Blot Analysis of human spleen cell lysate using CD45RB Recombinant Mouse Monoclonal Antibody (rPTPRC/1132).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Lymph Node stained with CD45RB Recombinant Mouse Monoclonal Antibody (rPTPRC/1132).

ADDITIONAL INFORMATION

References	1. Lim et.al Int. Immunol., 18(2):291-300 (2006). 2. Sedlak et al. Neoplasma 1989: 643, 1989. 3. Sutherland et.al Int. Immunol., 14(8): 953 - 962 (August 1, 2002)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	392307007
NCBI GeneID	5788
NCBI Accession #	NP_002829.3
NCBI GenBank Nucleotide #	NP_002829.3
UniProt Accession #	P08575
Molecular Weight	180-220kDa
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/mouse-human-antibody/cd45rb/215174>