

## 36-3069: Anti-CD45RB (B-Cell Marker) Monoclonal Antibody(Clone: rPTPRC/1132)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	rPTPRC/1132
<b>Application :</b>	FACS, IF, WB, IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	PTPRC
<b>Gene ID :</b>	5788
<b>Uniprot ID :</b>	P08575
<b>Alternative Name :</b>	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
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Recombinant full-length human CD45RB protein

### Description

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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Flow Cytometry (1-2 µg/million cells); Immunofluorescence (1-2 µg/ml); Western Blot (1-2 µg/ml); Immunohistochemistry (Formalin-fixed) (1-2 µg/ml for 30 minutes at RT), (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

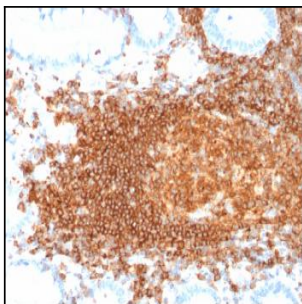


Fig. 1: Formalin-fixed, paraffin-embedded human Lymph Node stained with CD45RB Recombinant Mouse Monoclonal Antibody (rPTPRC/1132).

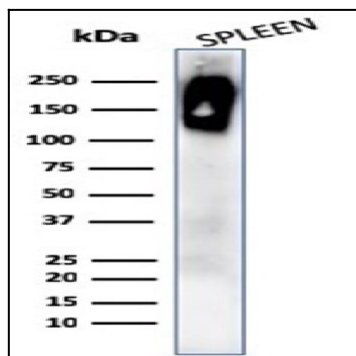


Fig. 2: Western Blot Analysis of human spleen cell lysate using CD45RB Recombinant Mouse Monoclonal Antibody (rPTPRC/1132).

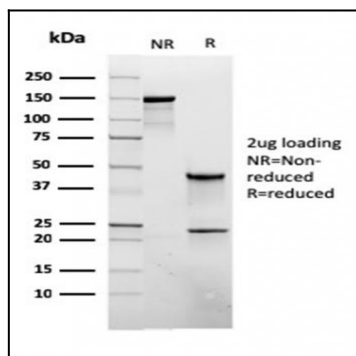


Fig. 3: SDS-PAGE Analysis Purified CD45RB Recombinant Mouse Monoclonal Antibody (rPTPRC/1132). Confirmation of Integrity and Purity of Antibody.