

12-1037: Recombinant Rabbit Monoclonal Antibody to CD45RB (B-Cell Marker)(Clone : PTPRC/1783R)

Clonality :	Monoclonal
Clone Name :	PTPRC/1783R
Application :	FACS,IF,WB,IHC
Reactivity :	Human
Gene :	PTPRC
Gene ID :	5788
Uniprot ID :	P08575
Format :	Purified
Alternative Name :	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
Isotype :	Rabbit IgG
Immunogen Information :	Human B-lymphocytes

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

Amount :	20 µg / 100 µg
Purification :	Purified Ab with BSA and Azide at 200ug/ml
Content :	200ug/ml of Ab purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2 \times 10⁵µg/million cells); Immunofluorescence (1-2 \times 10⁵µg/ml); Western Blot (1-2 \times 10⁵µg/ml); Immunohistochemistry (Formalin-fixed) (1-2 \times 10⁵µg/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),

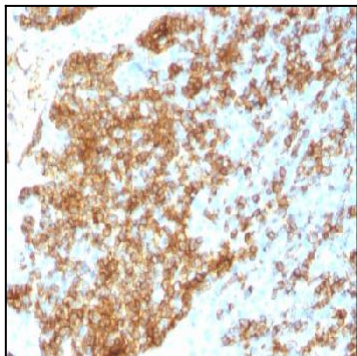


Figure 1: Formalin-fixed paraffin-embedded human Tonsil stained with CD45RB Rabbit Recombinant Monoclonal Antibody (PTPRC/1783R).

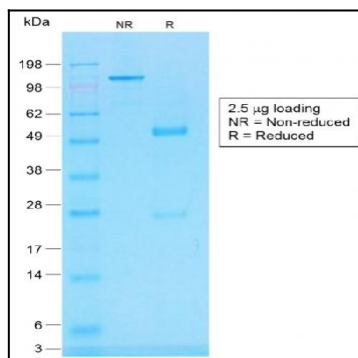


Figure 2: SDS-PAGE Analysis of Purified CD45RB Rabbit Recombinant Monoclonal Antibody (PTPRC/1783R).