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36-1609: Monoclonal Antibody to CD45RB (B-Cell Marker)(Clone: PTPRC/1147)

Clone Name: Monoclonal
Clone Name: PTPRC/1147
Application: FACS,IF,WB,IHC

Reactivity: Human

Gene: PTPRC

Gene ID: 5788

Uniprot ID: P08575

Format: Purified

Alternative Name: PTPRC,CD45

Isotype: Mouse IgG1, kappa

Immunogen Information: 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

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

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 (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/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);

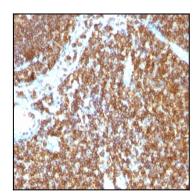


Formalin-fixed, paraffin-embedded human Lymphoma stained with CD45RB Monoclonal Antibody (PTPRC/1147).

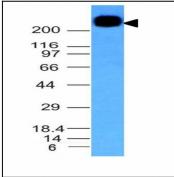


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Formalin-fixed, paraffin-embedded human Tonsil stained with CD45RB Monoclonal Antibody (PTPRC/1147).



Western Blot Analysis of Daudi Cell Lysate using CD45RB Monoclonal Antibody (PTPRC/1147).