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Bhubaneswar, Odisha - 751024, INDIA

## 36-1617: Monoclonal Antibody to CD45RB (B-Cell Marker)(Clone : PD7/26)

Clonality: Monoclonal Clone Name: PD7/26

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: Human peripheral blood lymphocytes maintained in T cell growth factor

## **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:

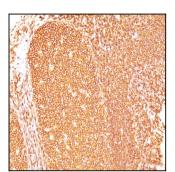
Storage condition:

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/mil); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/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&degC followed by cooling at RT for 20 minutes);

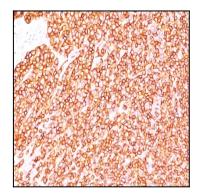


Formalin-fixed, paraffin-embedded human Tonsil stained with CD45RB Ab (PD7/26).



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