

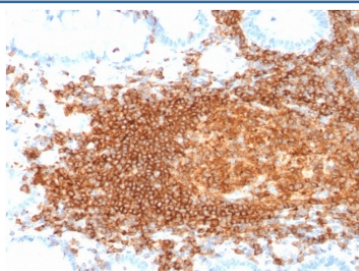
Recombinant CD45RB Antibody [clone rPTPRC/1132] (V8045)

| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V8045-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V8045-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V8045SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

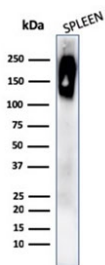
Recombinant **MOUSE MONOCLONAL**

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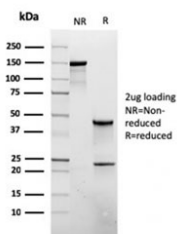
| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Clonality | Recombinant Mouse Monoclonal |
| Isotype | Mouse IgG1, kappa |
| Clone Name | rPTPRC/1132 |
| Purity | Protein G affinity chromatography |
| UniProt | P08575 |
| Localization | Cell surface, cytoplasmic |
| Applications | Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This recombinant CD45RB antibody is available for research use only. |



IHC staining of FFPE human lymph node with recombinant CD45RB antibody (clone rPTPRC/1132). HIER: steam section in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool prior to staining.



Western blot testing of human spleen lysate with recombinant CD45RB antibody (clone rPTPRC/1132). Expected molecular weight: 147-220 kDa depending on glycosylation level.



SDS-PAGE analysis of purified, BSA-free recombinant CD45RB antibody (clone rPTPRC/1132) as confirmation of integrity and purity.

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.

Application Notes

Optimal dilution of the recombinant CD45RB antibody should be determined by the researcher.

Immunogen

Recombinant full-length human CD45RB protein was used as the immunogen for the recombinant CD45RB antibody.

Storage

Store the recombinant CD45RB antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).