

Product datasheet for **AM33267PU-S**

CD45 (PTPRC) (CD45RB) Mouse Monoclonal Antibody [Clone ID: SPM569]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM569
Applications:	FC, IF, IHC
Recommended Dilution:	Flow Cytometry: 0.5-1 µg/10 ⁶ cells. Immunofluorescence: 0.5-1 µg/ml. Immunohistochemistry on Formalin-Fixed Paraffin Sections: 0.5-1 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. Positive Control: Ramos, U-698, or GA-10 cells, Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human peripheral blood lymphocytes maintained in T cell growth factor.
Specificity:	This Monoclonal <i>SPM569</i> antibody recognizes Human CD4RB5. Other species not tested. Cellular Localization: Cell surface and Cytoplasmic.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	180-220 kDa



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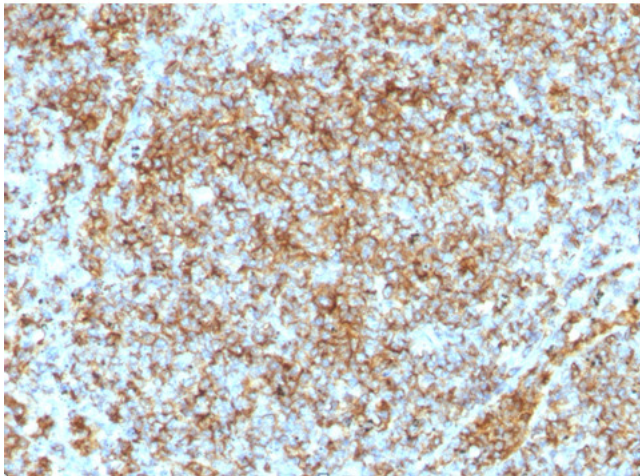
Gene Name: protein tyrosine phosphatase, receptor type C

Database Link: [Entrez Gene 5788 Human P08575](#)

Background: 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. CD45R functions as a phosphor-tyrosine phosphatase. Antibody to CD45 is useful in differential diagnosis of lymphoid tumors from non-hematopoietic undifferentiated neoplasms.

Synonyms: PTPRC, Leukocyte common antigen, L-CA, T200

Product images:



Formalin-Fixed, Paraffin-Embedded Human Lymphoma stained with CD45RB Antibody (Clone SPM569).