

Product datasheet for **AM39046SU-N**

Ptprc (CD45RC) Mouse Monoclonal Antibody [Clone ID: HIS25]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HIS25
Applications:	IF, IHC
Recommended Dilution:	Flow cytometry. Immunofluorescence. Immunohistochemistry on frozen tissue sections.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The antibody recognizes CD45RC, found on B cells, precursor B cells, subset T cells (not thymocytes).
Formulation:	State: Supernatant State: Liquid cell culture supernatant containing 0.09% sodium azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Gene Name:	protein tyrosine phosphatase, receptor type, C
Database Link:	Entrez Gene 24699 Rat P04157
Background:	The CD45 family of cell surface glycoprotein antigens exist as a set of isoforms. The patterns of monoclonal antibody recognition of the CD45 phenotypes can be restricted (CD45RA, RB and RC), or broader, such as the CD45 T 200 species. The "restricted" subsets of this group arise as a result of translation of alternatively spliced mRNAs from exons A, B and C (exons 4, 5 and 6), where exons 3-15 encode the extracellular domain of the CD45 molecule. The restricted epitopes are differentially expressed on T and B lymphocytes, including functionally distinct T cells. CD45 (LCA) is a transmembrane phosphotyrosine phosphatase expressed on leucocytes. Myeloid cells do not express the RC isoform.
Synonyms:	PTPRC, Leukocyte common antigen, L-CA, T200



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