

Product datasheet for **AM50158PU-S**

CD45 (PTPRC) (CD45RO) Mouse Monoclonal Antibody [Clone ID: SPM125]

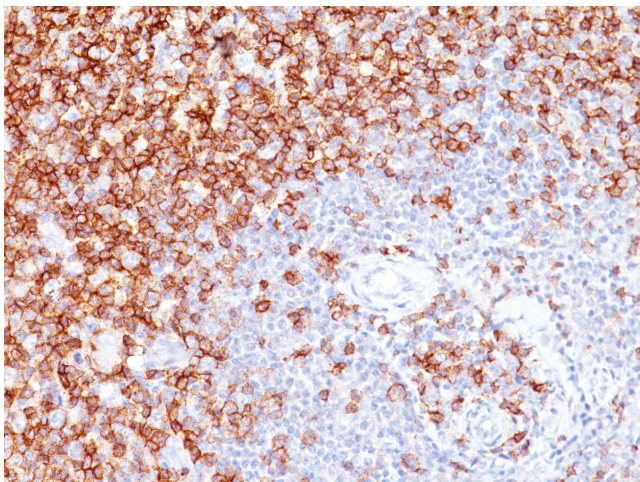
Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM125
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA: Use BSA free Antibody for coating. Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 1-2 µg/ml. Western Blotting: 0.5-1 µg/ml. Immunoprecipitation: 1-2 µg/500 µg protein lysate. Immunohistochemistry on Frozen and Formalin-Fixed Sections: 0.5-1.0 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: CCRF-CEM, Jurkat or MOLT-4 cells. Paracortex in a tonsil or a reactive lymph node.
Reactivity:	Chimpanzee, Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Cultured human T-cells from an IL-2-dependent T-cell line (CA1).
Specificity:	Recognizes a 180-185kDa protein, identified as isoform of leukocyte common antigen (CD45RO). The epitope recognized by this antibody is sensitive to neuraminidase digestion. This antibody reacts with mature activated T-cells, most thymocytes, and a sub-population of resting T-cells within both CD4 and CD8 subsets. It shows no reactivity with normal B or natural killer cells, but reacts with granulocytes and monocytes. Reportedly, it is useful to identify T-cell lymphomas and leukemias. It rarely stains NK cells or B-cell lymphomas. Cellular Localization: Cell surface.

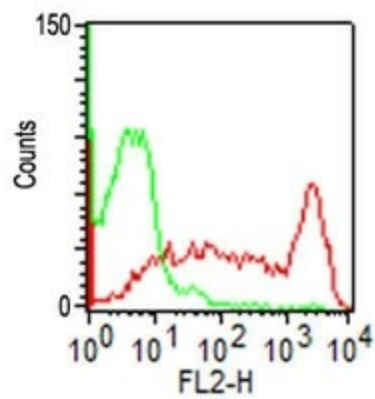


[View online »](#)

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:	180-185 kDa
Gene Name:	protein tyrosine phosphatase, receptor type C
Database Link:	Entrez Gene 5788 Human P08575
Synonyms:	PTPRC, Leukocyte common antigen, L-CA, T200

Product images:

Formalin-paraffin human tonsil stained with CD45RO Antibody (Clone SPM125).



CD45RO expression by lymphocyte gated population of PBMC: PBMC were stained either with purified CD45RO Antibody (Clone SPM125).