

## Product datasheet for **AM50158PU-T**

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

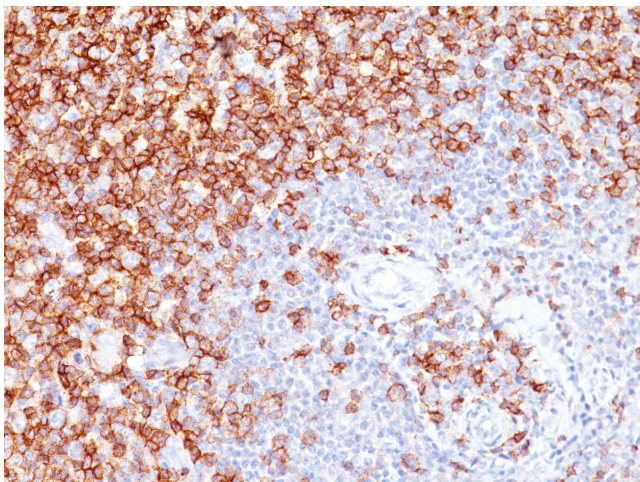
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM125
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA:</b> Use BSA free Antibody for coating. <b>Flow Cytometry:</b> 0.5-1 µg/million cells. <b>Immunofluorescence:</b> 1-2 µg/ml. <b>Western Blotting:</b> 0.5-1 µg/ml. <b>Immunoprecipitation:</b> 1-2 µg/500 µg protein lysate. <b>Immunohistochemistry on Frozen and Formalin-Fixed Sections:</b> 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. <b>Positive Control:</b> 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. <b>Cellular Localization:</b> Cell surface.

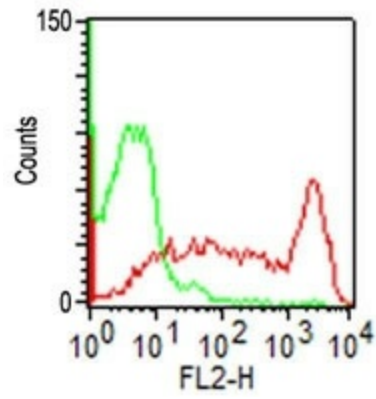


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<b>Formulation:</b>	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein A/G Chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store undiluted at 2-8°C.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Predicted Protein Size:</b>	180-185 kDa
<b>Gene Name:</b>	protein tyrosine phosphatase, receptor type C
<b>Database Link:</b>	<a href="#">Entrez Gene 5788 Human P08575</a>
<b>Synonyms:</b>	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).