

Product datasheet for **AM50159PU-T**

CD45 (PTPRC) (CD45RA) Mouse Monoclonal Antibody [Clone ID: SPM568]

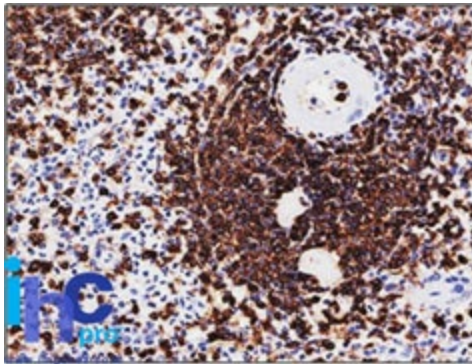
Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | SPM568 |
| 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: Daudi, Raji, IM9, and human lymphocytes. Human lymph nodes and tonsils. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Stimulated human leukocytes. |
| Specificity: | Recognizes a protein of 205kDa-220kDa, identified as CD45RA. CD45RA is isoforms of the human leukocyte common antigen (CD45). Human CD45 contains three exons which encode peptide segments designated A, B and C, respectively. The differential splicing of the exons generates at least five isoforms, ABC, AB, BC, B and O. This antibody reacts with ABC and BC isoforms. CD45RA is expressed on 40-50% of peripheral CD4+ T-cells, 50% of peripheral CD8+ T-cells, B-cells, and leukemic B-cell lines. T-cells expressing CD45RA are naive or virgin T-cells. T-cells expressing CD45RO are memory T-cells. CD45RA and CD45RO define complementary, predominantly non-overlapping populations of resting peripheral T-cells. This MAb is useful in study on the subpopulation of CD4+ or CD8+ T-cells. It can especially be used to differentiate T-cell lymphomas (CD45RO +ve) from B cell lymphomas (CD45RA +ve). Cellular Localization: Cell surface. |

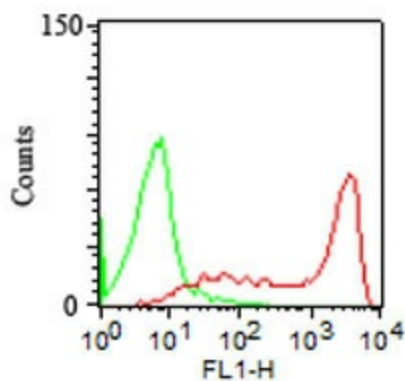


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| | |
|--------------------------------|---|
| Formulation: | 10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide |
| Concentration: | lot specific |
| Purification: | Protein A/G Chromatography |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 205-220 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 spleen stained with CD45RA Antibody (Clone SPM568).



Surface staining of PBMC using CD45RA Antibody (Clone SPM568) (red), anti mouse IgG FITC secondary and mouse IgG2a isotype control (green).