

Product datasheet for **AM50190PU-S**

CD5 Mouse Monoclonal Antibody [Clone ID: SPM546]

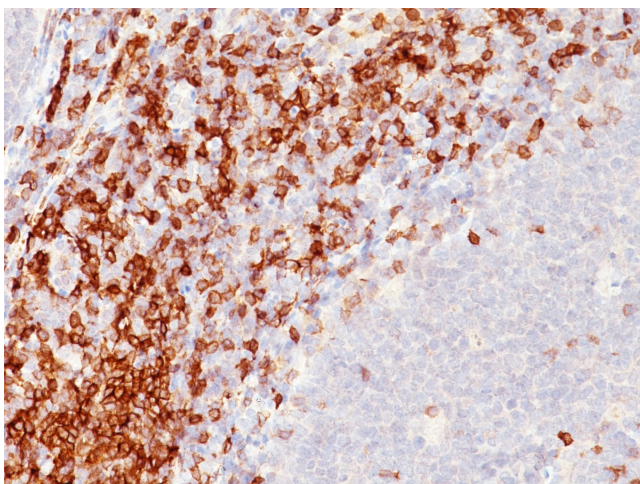
Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM546
Applications:	FC, IF, IHC
Recommended Dilution:	Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 0.5-1 µg/ml. Immunohistochemistry on Formalin-Fixed Paraffin Sections: 0.5-1 µg/ml for 30 min 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: 293T, Ramos, or MOLT-4 Cells, Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human CD5 recombinant protein.
Specificity:	Recognizes a 67kDa transmembrane protein, which is identified as CD5. The CD5 antigen is found on 95% of thymocytes and 72% of peripheral blood lymphocytes. In lymph nodes, the main reactivity is observed in T cell areas. Anti-CD5 is a pan T-cell marker that also reacts with a range of neoplastic B-cells, e.g. chronic lymphocytic leukemia/small lymphocytic lymphoma (CLL/SLL), mantle cell lymphoma, and a subset (~10%) of diffuse large B-cell lymphoma. CD5 aberrant expression is useful in making a diagnosis of mature T-cell neoplasms. Anti-CD5 detection is diagnostic in CLL/SLL within a panel of other B-cell markers, especially one that includes anti-CD23. Anti-CD5 is also very useful in differentiating among mature small lymphoid cell malignancies. In addition, anti-CD5 can be used in distinguishing thymic carcinoma (+) from thymoma (-). Anti-CD5 does not react with granulocytes or monocytes. Cellular Localization: Cell surface.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide



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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:	67 kDa
Gene Name:	CD5 molecule
Database Link:	Entrez Gene 921 Human P06127
Synonyms:	CD5, LEU1

Product images:

Formalin-Fixed, Paraffin-Embedded Human tonsil stained with CD5 Antibody (Clone SPM546).