

Datasheet for ABIN6941053
anti-CD5 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	CD5
Reactivity:	Human, Rat, Cow, Rabbit
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD5 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Staining Methods (StM), Coating (Coat)

Product Details

Immunogen:	Human CD5 recombinant protein (C5/473), A synthetic peptide from the intracellular region of human CD5 (CD5/54/F6)
Clone:	C5-473-CD5-54-F6
Isotype:	IgG1 kappa
Specificity:	Recognizes a 67 kDa 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

Product Details

thymoma (-). Anti-CD5 does not react with granulocytes or monocytes.

Purification: Purified by Protein A/G

Target Details

Target: CD5

Alternative Name: CD5 ([CD5 Products](#))

Molecular Weight: 67kDa

Gene ID: 921

UniProt: [P06127](#)

Application Details

Application Notes: Positive Control: 293T, Ramos or MOLT-4 cells. Tonsil.
Known Application: ELISA (For coating use Ab at 1-2 µg/mL order Ab without BSA),
Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 1 mM EDTA, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

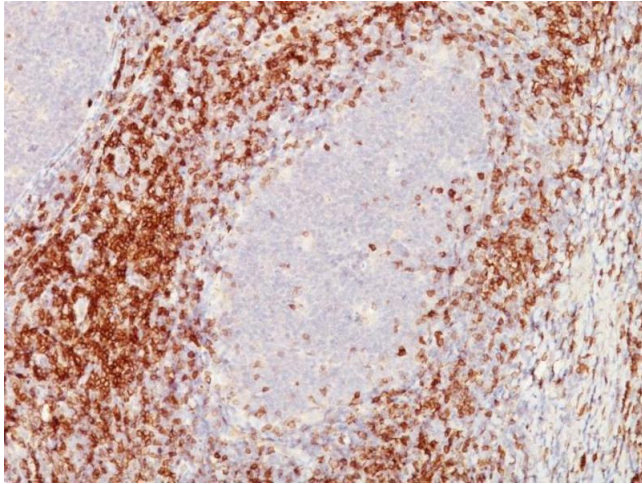
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Tonsil stained with CD5 Mouse Monoclonal Antibody (C5/473 + CD5/54/F6)