

Datasheet for ABIN3025590
anti-CD5 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	CD5
Reactivity:	Human, Rat, Cow, Rabbit, Pig, Horse, Chicken, Monkey, Guinea Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD5 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A peptide from the intracellular region of the human protein was used as the immunogen for this CD5 antibody.
Clone:	CD5-54-F6
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	CD5
Alternative Name:	CD5 (CD5 Products)
Background:	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

Target Details

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.

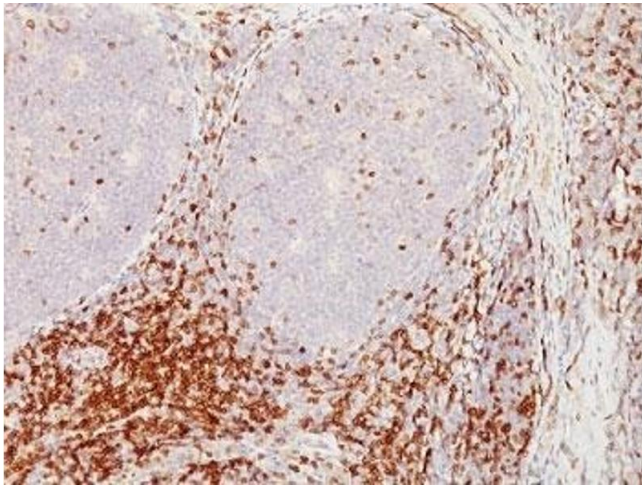
Application Details

Application Notes:	The optimal dilution of the CD5 antibody for each application should be determined by the researcher. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Western blot: 1-2 µg/mL, Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1),Prediluted format: incubate for 30 min at RT (2)
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Restrictions:	For Research Use only
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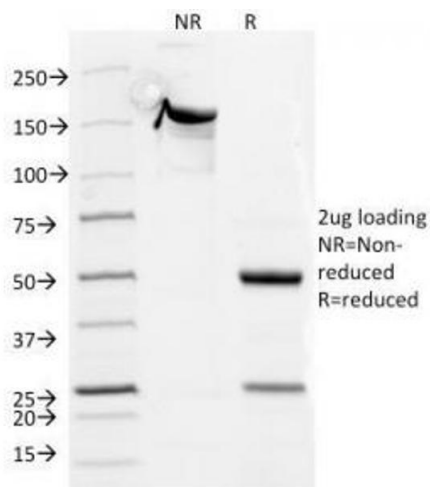
Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the CD5 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 1. Formalin-fixed, paraffin-embedded human tonsil stained with CD5 antibody (CD5/54/F6)



SDS-PAGE

Image 2. SDS-PAGE Analysis of Purified, BSA-Free CD5 Antibody (clone CD5/54/F6). Confirmation of Integrity and Purity of the Antibody.