

Mouse CD5 Monoclonal Antibody | anti-CD5 antibody

CD5 (Mantle Cell LymphomaMarker)

CATALOG # AAA214847	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
-------------------------------	----------------------	---	---

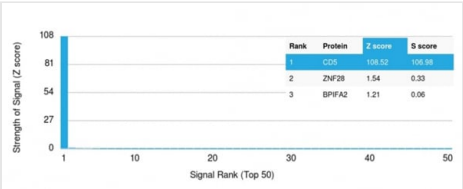
PRODUCT SYNONYMS

CD5; Monoclonal Antibody; CD5 (Mantle Cell LymphomaMarker); CD5 antigen (p56 62); LEU1; Ly12; LyA; Lymphocyte antigen T1/Leu-1; Lymphocyte glycoprotein T1/Leu1; T-cell surface glycoprotein CD5; anti-CD5 antibody

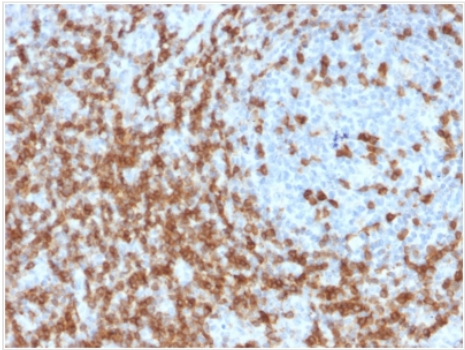
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2c, kappa
Clone Number	CD5/2419
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 mature T-cell neoplasms. Anti-CD5 detection is 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	495
Applicable Applications for anti-CD5 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant human CD5 protein fragment (around aa 269-366) (exact sequence is proprietary)
Positive Control	293T, Ramos, or MOLT-4 Cells. Tonsil.
Cellular Localization	Cell Surface
Chromosome Location	11q12.2
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with CD5 Mouse Monoclonal Antibody (CD5/2419).

ADDITIONAL INFORMATION

References	Ferry JA et. al. American Journal of Clinical Pathology, 1996, 105(1):31-7.; Gagneten D et. al. Diagnostic Cytopathology, 1996, 14(1):32-7.
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	1080078688
NCBI GeneID	921
NCBI Accession #	NP_001333385.1
NCBI GenBank Nucleotide #	NM_001346456.1
UniProt Accession #	P06127; A0N0P4; A8K9I3
Molecular Weight	67kDa
NCBI Official Full Name	T-cell surface glycoprotein CD5 isoform 2
NCBI Official Synonym Full Names	CD5 molecule
NCBI Official Symbol	CD5
NCBI Official Synonym Symbols	T1; LEU1
NCBI Protein Information	T-cell surface glycoprotein CD5
UniProt Protein Name	T-cell surface glycoprotein CD5
UniProt Gene Name	CD5
UniProt Synonym Gene Names	LEU1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/cd5-antibody-clone-cd5-2419-immunohistochemistry-elisa/214847>