Rabbit anti-Human CD5 Monoclonal Antibody | anti-CD5 antibody

CD5 (Mantle Cell Lymphoma Marker) Recombinant Rabbit Monoclonal Antibody [Clone C5/4561R]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA216037	**Rabbit**	**Human**	**Immunohistochemistry**

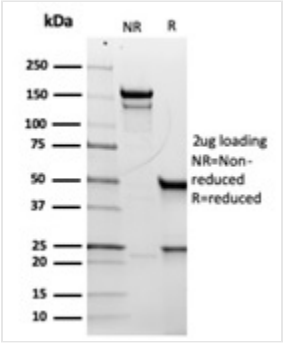
PRODUCT SYNONYMS

CD5; Monoclonal Antibody; CD5 (Mantle Cell Lymphoma Marker) Recombinant Rabbit Monoclonal Antibody [Clone C5/4561R]; CD5 (Mantle Cell Lymphoma Marker); CD5 antigen (p56 62); LEU1; Ly12; LyA; Lymphocyte antigen T1/Leu-1; T-cell surface glycoprotein CD5; anti-CD5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/IgG
Clone Number	C5/4561R
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.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-CD5 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant full-length protein corresponding to human CD5 (extracellular). The immunogen contains the specific extracellular domain of huCD5 (D32-P372).
Cellular Localization	Cell Surface
Positive Control	293T, Ramos, or MOLT-4 cells. Human tonsil or lymph node.
Hu-chromosome Location	11q12.2
Unigene	58685
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



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human lymph node stained with CD5 Recombinant Rabbit Monoclonal Antibody (C5/4561R).

ADDITIONAL INFORMATION

Related Product Information for anti-CD5 antibody	The CD5 antigen is a transmembrane glycoprotein expressed on the surface of practically all mature human T-cells (about 10% of CD4+ T-cells being CD5 negative). In immature (CD34+) T-cells, CD5 is weakly expressed, the intensity of expression increasing with maturation. CD5 is also expressed in a small subset of normal human B-cells (20% of B-cells in the peripheral blood, scattered cells in the lymph node mantle zone). The CD5+ cells are probably involved in B-T interaction and their ligand is CD72 which is expressed on all B cells. It appears that CD5+ B-cells on activation primarily produce IgM. They also produce more autoantibodies than normal CD5 negative B-cells. Thus, the CD5+ B-cell population is expanded in rheumatoid arthritis and systemic lupus erythematosus. The CD5 antibody reacts with CD5 expressed on B and T cells, and may be a useful aid for the classification of B and T-cell malignancies. This includes B-cell chronic lymphoid leukemia (B-CLL), B-cell small lymphocytic lymphoma (B-SLL), mantle cell lymphoma (MCL) and T-cell lymphoma and leukemia.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166197668
NCBI GeneID	921
NCBI Accession #	NP_055022.2
NCBI GenBank Nucleotide #	NM_014207.3
UniProt Accession #	P06127; A0N0P4; A8K9I3
Molecular Weight	54,578 Da
NCBI Official Full Name	T-cell surface glycoprotein CD5
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; CD5 antigen (p56-62); lymphocyte antigen T1/Leu-1
UniProt Protein Name	T-cell surface glycoprotein CD5
UniProt Gene Name	**CD5**
UniProt Synonym Gene Names	LEU1
UniProt Entry Name	CD5_HUMAN

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.