

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

Anti-CD5 Antibody, Rabbit Polyclonal

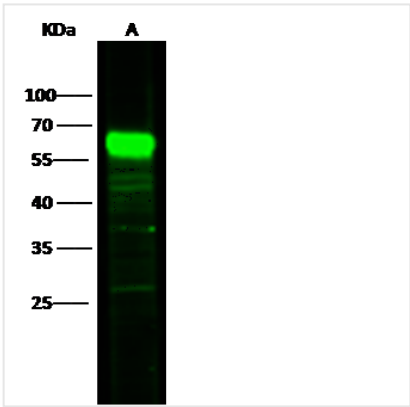
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255296	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

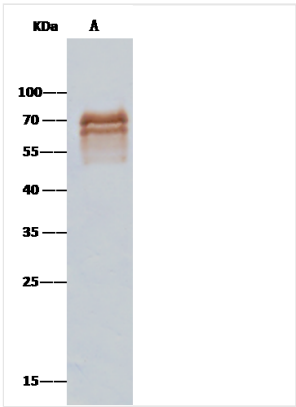
CD5; Polyclonal Antibody; Anti-CD5 Antibody; Rabbit Polyclonal; CD5 Antibody; Rabbit PAb; Antigen Affinity Purified; CD5 molecule; Anti-LEU1 Antibody; Anti-T1 Antibody; anti-CD5 antibody

PRODUCT SPECIFICATIONS

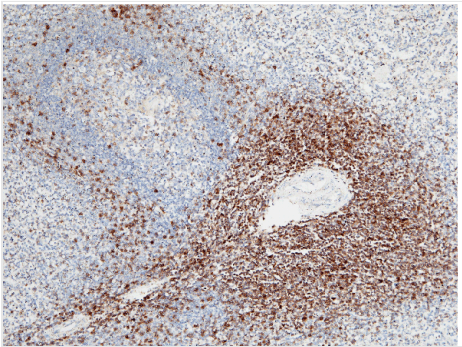
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CD5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD5 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human CD5 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human CD5 (rh CD5). CD5 specific IgG was purified by Human CD5 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



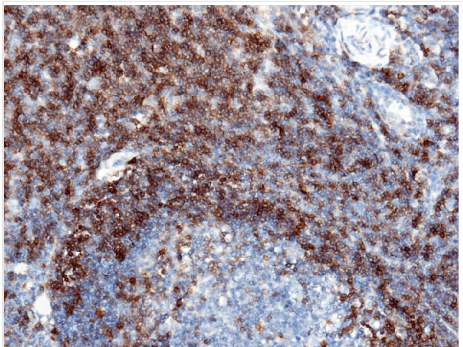
WB (Western Blot)
Anti-CD5 rabbit polyclonal antibody at 1:500 dilutionLane A: Jurkat Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:55 kDaObserved band size:55 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)
CD5 was immunoprecipitated using:Lane A:0.5 mg Jurkat Whole Cell Lysate2 uL anti-CD5 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-CD5 rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilutionDeveloped using the DAB staining technique.Performed under reducing conditions.Predicted band size: 55 kDaObserved band size: 68 kDa



IHC (Immunohistochemistry)
Immunochemical staining of human CD5 in human spleen with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections). Positive staining was localized to periarterial lymphatic sheath.



IHC (Immunohistochemistry)
Immunochemical staining of human CD5 in human tonsil with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections). Positive staining was mainly localized to diffuse lymphoid tissue.

ADDITIONAL INFORMATION

Related Product Information for anti-CD5 antibody	The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD5 is a member of the CD system. CD5 was found to be widely distributed in T-cells and B1 cells which is a subset of IgM-secreting B cells. CD5 also was found expressed in small lymphocytic lymphoma, hairy cell leukaemia and mantle cell lymphoma cells. CD5 serves to weaken the activating stimulus from the BCR so that the B1 cells can only reflect to the very strong stimuli but not the normal tissue proteins.
Product Categories/Family for anti-CD5 antibody	ITIM/ITAM Immunoreceptors and Related Molecules
References	Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5.Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35.Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters. 134 (2): 104-12.Kirchgessner H, et al. (2001) The transmembrane adaptor protein TRIM regulates T cell receptor (TCR) expression and TCR-mediated signaling via an association with the TCR zeta chain. J Exp Med. 193 (11): 1269-84.

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cd5-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255296>