

Mouse CD5 Monoclonal Antibody | anti-CD5 antibody

CD5

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62643	Mouse	Human, Rhesus Monkey. Others not-tested.	Immunoprecipitation, Functional Assay, Immunofluorescence, Flow Cytometry, Functional Assay

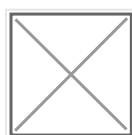
PRODUCT SYNONYMS

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

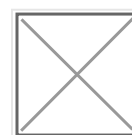
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rhesus Monkey. Others not-tested.
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	CRIS-1
Specificity	Recognizes a 67kDa transmembrane protein, which is identified as CD5 (HLDA I; WS Code T 29. HLDA III; WS Code T 530). 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 of mature T-cell neoplasms.
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	IP (Immunoprecipitation), FA (Functional Assay), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Localization	Cell surface
Positive Control	293T, Ramos, or MOLT-4 Cells. Tonsil.
Human Chromosomal Location	11q12.2
Immunogen	Stimulated human leukocytes
Quantity and Buffer	0.5 ml at 200ug/ml with BSA and azide
Preparation and Storage	Store at 2 to 8 degree C. Non-hazardous . No MSDS required.

IMAGES



SDS-PAGE



Application Data

FCM staining of human PBMCs using CD5 MAbs (CRIS-1).

ADDITIONAL INFORMATION

References	1. Leukocyte Typing III., McMichael A. J. et al. (Eds.), Oxford University Press (1987). 2. Arrizabalaga P, Mirapeix E, Darnell A, Torras A, Revert L: Cellular immunity analysis using monoclonal antibodies in human glomerulonephritis. Nephron. 1989;53(1):41-9. 3. Alberola-Ila J, Places L, Cantrell DA, Vives J, Lozano F: Intracellular events involved in CD5-induced human T cell activation and proliferation. J Immunol. 1992;148(5):1287-93. 4. Guarne A, Bravo J, Calvo J, Lozano F, Vives J, Fita I: Conformation of the hypervariable region L3 without the key proline residue. Protein Sci. 1996;5(1):167-9.
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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	67kDa
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.