

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

Anti-Human CD5 DyLight 488 Conjugated Antibody (Monoclonal, 4E2)

CATALOG # AAA125500	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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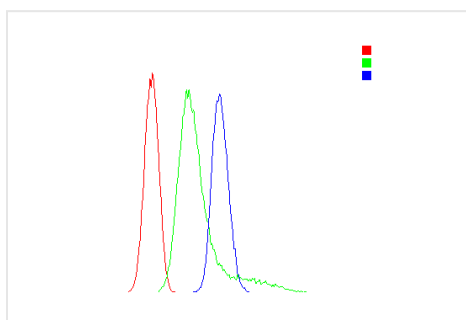
PRODUCT SYNONYMS

CD5; Monoclonal Antibody; Anti-Human CD5 DyLight 488 Conjugated Antibody (Monoclonal; 4E2); T-cell surface glycoprotein CD5; Lymphocyte antigen T1/Leu-1; LEU1; anti-CD5 antibody

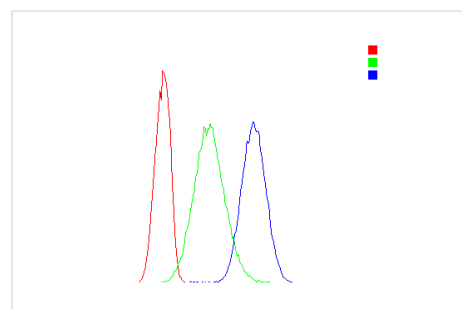
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4E2
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Liquid Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Sequence Length	495
Applicable Applications for anti-CD5 antibody	FCM/FACS (Flow Cytometry)
Immunogen	E. coli-derived human CD5 recombinant protein (Position: R25-L495).
Preparation and Storage	Store at 2-8 degree C for one year. Protect from light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-CD5 antibody	Description: Mouse IgG monoclonal Anti-Human CD5 Antibody DyLight 488 Conjugated, Flow Validated. Background: CD5 is a member of the scavenger receptor cysteine-rich (SRCR) superfamily. Members of this family are secreted or membrane-anchored proteins mainly found in cells associated with the immune system. In humans, the gene is located on the long arm of chromosome 11. This protein is a type-I transmembrane glycoprotein found on the surface of thymocytes, T lymphocytes and a subset of B lymphocytes. The encoded protein contains three SRCR domains and may act as a receptor to regulate T-cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms.
References	1. Lundell, A.-C., Johansen, S., Adlerberth, I., Wold, A. E., Hesselmar, B., Rudin, A. High proportion of CD5+ B cells in infants predicts development of allergic disease. J. Immun. 193: 510-518, 2014. 2. Zhang, C., Xin, H., Zhang, W., Yazaki, P. J., Zhang, Z., Le, K., Li, W., Lee, H., Kwak, L., Forman, S., Jove, R., Yu, H. CD5 binds to interleukin-6 and induces a feed-forward loop with the transcription factor STAT3 in B cells to promote cancer. Immunity 44: 913-923, 2016.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166197668
NCBI GeneID	921
NCBI Accession #	NP_055022.2
NCBI GenBank Nucleotide #	NP_055022.2
UniProt Accession #	P06127
NCBI Official Full Name	T-cell surface glycoprotein CD5 isoform 1
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
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.