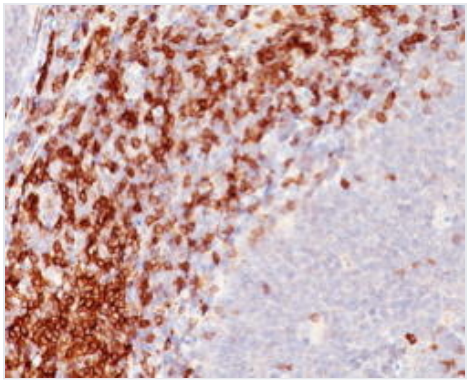
CD5 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD5, Monoclonal Antibody
Full Product Name	CD5 (CD5 antigen, p56 62, LEU1, Ly12, LyA, Lymphocyte antigen T1/Leu-1, Lymphocyte GlycoProtein T1/Leu1, T-cell surface GlycoProtein CD5) (APC)
Product Gene Name	anti-CD5 antibody
Product Synonym Names	CD5 antigen; p56 62; LEU1; Ly12; LyA; Lymphocyte antigen T1/Leu-1; Lymphocyte GlycoProtein T1/Leu1; T-cell surface GlycoProtein CD5
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	SPM546
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in 10mM PBS. No preservative added. BSA-Free. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A/G Affinity Chromatography.
Specificity	Recognizes human CD5.
Preparation and Storage	May be stored at 4 degree C before opening. DO NOT FREEZE! Stable at 4 degree C as an undiluted liquid. Dilute only prior to immediate use. Stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer. APC is light sensitive.
Molecular Weight	54,578 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (60869930..60895324). Location: 11q13
OMIM	153340
3D Structure	ModBase 3D Structure for P06127
Immunogen	Human CD5 recombinant protein. Cellular Localization: Cell surface
Conjugate	APC
Positive Control	293T, Ramos, or MOLT-4 Cells. Tonsil.
Special Handling	Light sensitive
Product Categories/Family for anti-CD5 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD5 antibody	Flow Cytometry (FC/FACS), FLISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-CD5 antibody	FC/FACS: 0.5-1ug/million cells IP: 0.5-1ug/500ug protein lysate IF: 0.5-1ug/ml WB: 0.5-1ug/ml IHC: 0.5-1ug/ml for 30 minutes at RT Applications are based on unconjugated antibody.

Related Product Information for anti-CD5 antibody	MBS6123995 is an antibody targeting CD5. Also known as CD5 (CD5 antigen, p56 62, LEU1, Ly12, LyA, Lymphocyte antigen T1/Leu-1, Lymphocyte GlycoProtein T1/Leu1, T-cell surface GlycoProtein CD5) (APC). Reactive in Human. Host: Mouse.
Product References and Citations for anti-CD5 antibody	1. Ferry JA et. al. American Journal of Clinical Pathology, 1996, 105(1):31-7. 2. Gagneten D et. al. Diagnostic Cytopathology, 1996, 14(1):32-7.
Other Notes	Small volumes of anti-CD5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-CD5 antibody
Formalin-paraffin tonsil stained with CD5 MAb (SPM546)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD5. It may not necessarily be applicable to this product.

NCBI GI #	166197668
NCBI GeneID	921
NCBI Accession #	NP_055022.2
UniProt Primary Accession #	P06127
UniProt Secondary Accession #	A0N0P4; A8K9I3
UniProt Related Accession #	P06127
GenBank Nucleotide #	NM_014207.3
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
UniProt Protein Name	T-cell surface glycoprotein CD5
UniProt Synonym Protein Names	Lymphocyte antigen T1/Leu-1
Protein Family	T-cell surface glycoprotein
UniProt Gene Name	CD5
UniProt Synonym Gene Names	LEU1
UniProt Entry Name	CD5_HUMAN
NCBI Protein Information	T-cell surface glycoprotein CD5; CD5 antigen (p56-62); lymphocyte antigen T1/Leu-1

UniProt Comments for CD5	CD5: a surface glycoprotein expressed on T cells and B-1 B cells. Rapidly recruited to the immunological synapse, lowering the response of the T cell antigen receptor. CD5 interacts with CD72/LYB-2. Promotes B-cell survival through stimulation of autocrine IL-10 production. Contains 3 SRCR domains. Protein type: Cell surface; Membrane protein, integral Chromosomal Location of Human Ortholog: 11q13 Cellular Component: integral to plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: protein binding; transmembrane receptor activity; receptor activity; scavenger receptor activity Biological Process: receptor-mediated endocytosis; cell proliferation; T cell costimulation; cell recognition
Research Articles on CD5	**1.** Our results indicate that CD5(+) B cell subsets might be associated with pathogenesis of SPMS.
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