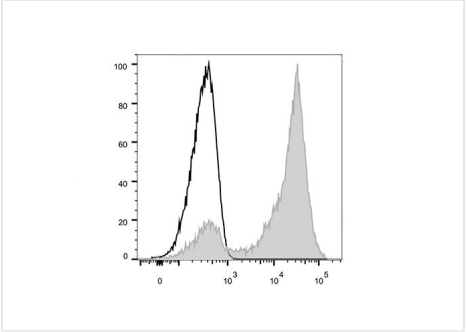
CD5 Antibody – Mouse

PRODUCT OVERVIEW

Product Name	CD5, Antibody
Full Product Name	Fluor 700 Anti-Human CD5 Antibody [HISM2]
Product Gene Name	anti-CD5 antibody
Product Synonym Names	CD5; LEU1; Lymphocyte antigen T1/Leu-1; T-cell surface glycoprotein CD5
Isotype	IgG1, kappa
Clone Number	HISM2
Host	Mouse
Species Reactivity	Human
Preparation and Storage	This product can be stored at 2-8 degree C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Matching Pairs	Antibody: CD5 Clone #HISM2 (MBS2585645) Isotype Control: IgG1, kappa Clone #MOPC-21 (MBS2579320)
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
Conjugation	Fluor700
Product Categories/Family for anti-CD5 antibody	Antibodies and Reagents; Primary Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD5 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD5 antibody	MBS2585645 is an antibody targeting CD5. Also known as Fluor 700 Anti-Human CD5 Antibody [HISM2]. Reactive in Human. Host: Mouse.
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.



Flow Cytometry (FC/FACS) of anti-CD5 antibody
Staining of normal human peripheral blood cells with Fluor® 700 Anti-Human CD5 Antibody[HISM2](filled gray histogram) or Fluor® 700 Mouse IgG1, ? Isotype Control(empty black histogram). Cells in the lymphocytes gate were used for analysis.

ADDITIONAL DETAILS

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

NCBI GI #	921
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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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