CD7 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD7, Monoclonal Antibody
Full Product Name	CD7 Antibody
Product Gene Name	anti-CD7 antibody
Product Synonym Names	T-cell antigen CD7; GP40; T-cell leukemia antigen; T-cell surface antigen Leu-9; TP41; CD7
Clonality	Monoclonal
Isotype	Mouse IgG1
Host	Mouse
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CD7 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	25,409 Da
OMIM	186820
3D Structure	ModBase 3D Structure for P09564
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human CD7. The exact sequence is proprietary.
Product Categories/Family for anti-CD7 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD7 antibody	Immunohistochemistry (IHC)
Application Notes for anti-CD7 antibody	IHC: 1:100-1:300
Related Product Information for anti-CD7 antibody	MBS8584411 is an antibody targeting CD7. Also known as CD7 Antibody. Reactive in Human. Host: Mouse. Mouse monoclonal antibody to CD7
Other Notes	Small volumes of anti-CD7 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD7. It may not necessarily be applicable to this product.

NCBI GI #	5453613
NCBI GeneID	924
NCBI Accession #	NP_006128.1

UniProt Primary Accession #	P09564
UniProt Related Accession #	P09564
GenBank Nucleotide #	NM_006137.6
NCBI Official Full Name	T-cell antigen CD7
NCBI Official Synonym Full Names	CD7 molecule
NCBI Official Symbol	CD7
NCBI Official Synonym Symbols	GP40; TP41; Tp40; LEU-9
UniProt Protein Name	T-cell antigen CD7
UniProt Synonym Protein Names	GP40; T-cell leukemia antigen; T-cell surface antigen Leu-9; TP41; CD_antigen: CD7
Protein Family	T-cell antigen
UniProt Gene Name	CD7
UniProt Entry Name	CD7_HUMAN
NCBI Protein Information	T-cell antigen CD7; CD7 antigen (p41); T-cell leukemia antigen; T-cell surface antigen Leu-9; p41 protein
NCBI Summary for CD7	This gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development. [provided by RefSeq, Jul 2008]
UniProt Comments for CD7	CD7: Not yet known. Protein type: Membrane protein, integral; Immunoglobulin superfamily Chromosomal Location of Human Ortholog: 17q25.2-q25.3 Cellular Component: membrane; plasma membrane; integral to membrane Molecular Function: receptor activity Biological Process: T cell activation; homeostasis of number of cells within a tissue; immune response; transmembrane receptor protein tyrosine kinase signaling pathway
Research Articles on CD7	**1.** We showed that the CADM1 versus CD7 plot is capable of discriminating clonally expanding HTLV-I-infected cells in indolent and acute-type T-cell leukemia-lymphomas and in asymptomatic carriers
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