CD7 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD7, Monoclonal Antibody
Full Product Name	Mouse Anti Human CD7 Antibody
Product Gene Name	anti-CD7 antibody
Product Synonym Names	CD7 Antibody; CD7 Antibody, Mouse Anti Human; T-cell antigen CD7; GP40; LEU-9; Tp40; TP41; CD7; T-cell leukemia antigen; T-cell surface antigen Leu-9
Clonality	Monoclonal
Clone Number	PAT1B9AT
Host	Mouse
Species Reactivity	Human
Form/Format	1mg/ml containing PBS, pH-7.4, 10% Glycerol and 0.02% Sodium Azide. Sterile filtered colorless solution.
Purity/Purification	Purified from mouse ascitic fluids by protein-A affinity chromatography
Preparation and Storage	Storage: For periods up to 1 month store at 4 degree C, for longer periods of time, store at -20 degree C. Prevent freeze thaw cycles. Stability: 12 months at -20 degree C. 1 month at 4 degree C.
Molecular Weight	25,409 Da
OMIM	186820
Ig Subclass	Mouse IgG2b heavy chain and k light chain.
Immunogen	Anti-human CD7 mAb, clone PAT1B9AT, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CD7 protein 26-180 amino acids purified from E Coli.
Product Categories/Family for anti-CD7 antibody	Monoclonal Antibodies; Anti-Mouse Lymphocytes
Applications Tested/Suitable for anti-CD7 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-CD7 antibody	The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity.
Related Product Information for anti-CD7 antibody	T-cell antigen CD7 (CD7) is a type I transmembrane glycoprotein which is expressed on pluripotential hemapoietic cells, nearly all human thymocytes and some peripheral blood T cells. The CD7 molecule is missing in a subset of human T cells under some physiologic conditions. An increase in CD7 negative T cells can be observed in a number of inflammatory skin diseases.
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.
Searchable Terms for CD7 purchase	MBS140480 is an antibody targeting CD7. Also known as Mouse Anti Human CD7 Antibody. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	180164
NCBI GeneID	924
NCBI Accession #	AAA51953.1
UniProt Related Accession #	P09564
NCBI Official Full Name	CD7 antigen protein
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
UniProt Comments for CD7	CD7: Not yet known. Protein type: Immunoglobulin superfamily; Membrane protein, integral Chromosomal Location of Human Ortholog: 17q25.2-q25.3 Cellular Component: integral to membrane; membrane; plasma membrane Molecular Function: receptor activity Biological Process: immune response; T cell activation
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