CD7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD7, Polyclonal Antibody
Full Product Name	CD7, ID (CD7, T-cell antigen CD7, GP40, T-cell leukemia antigen, T-cell surface antigen Leu-9, TP41, CD7) (MaxLight 490)
Product Gene Name	anti-CD7 antibody
Product Synonym Names	CD7; T-cell antigen CD7; GP40; T-cell leukemia antigen; T-cell surface antigen Leu-9; TP41; CD7
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	25,409 Da
OMIM	186820
3D Structure	ModBase 3D Structure for P09564
Immunogen	CD7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-92 amino acids from the Central region of human CD7.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-CD7 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD7 antibody	Western Blot (WB), FLISA
Application Notes for anti-CD7 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CD7 antibody	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.
Product References and Citations for anti-CD7 antibody	Rohrs, S., et al. J Hematol Oncol 3, 15 (2010): Rogers, S.L., et al. Mol. Cancer 9, 41 (2010): Koh, H.S., et al. Mol. Cells 28(6):553-558(2009). Yoo, E.H., et al. Korean J Lab Med 29(6):491-496(2009). SundarRaj, S., et al. Mol. Immunol. 46(16):3411-3419(2009).
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	MBS6283396 is an antibody targeting CD7. Also known as CD7, ID (CD7, T-cell antigen CD7, GP40, T-cell leukemia antigen, T-cell surface antigen Leu-9, TP41, CD7) (MaxLight 490). Reactive in Human. Host: Rabbit.

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
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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