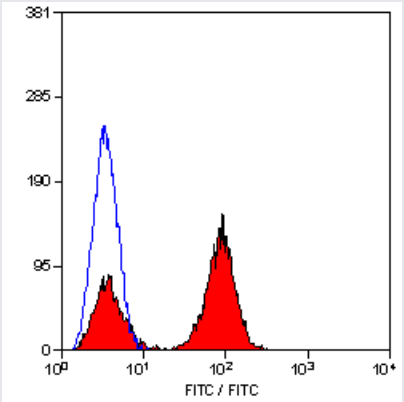
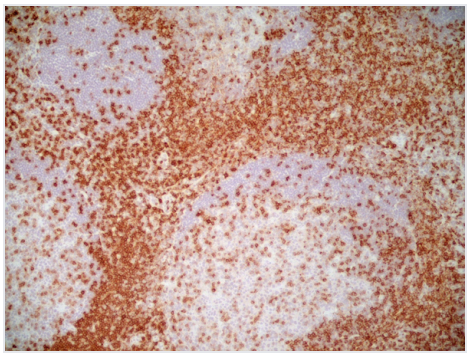
CD7 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

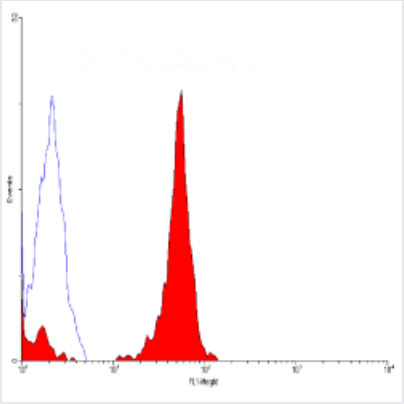
Product Name	CD7, Monoclonal Antibody
Full Product Name	MOUSE ANTI HUMAN CD7
Product Gene Name	anti-CD7 antibody
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	LT7
Host	Mouse
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from the date of despatch.
Molecular Weight	25,409 Da
OMIM	186820
3D Structure	ModBase 3D Structure for P09564
Perservative Stabilisers	0.09% Sodium Azide Preparation||Purified IgG prepared by affinity chromatography on Protein A
Immunogen	Normal human peripheral blood lymphocytes Fusion Partners||Spleen cells from immunised BALB/c mice were fused with cells of the X63.653 mouse myeloma cell line. Buffer Solution||Phosphate buffered saline
Target Species	Human
Applications Tested/Suitable for anti-CD7 antibody	Immunohistology Frozen, Flow cytometry (FC/FACS), Immunoprecipitation (IP)
Application Notes for anti-CD7 antibody	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. **Flow Cytometry:** Minimum Dilution: 1/50; Maximum Dilution: 1/100
Related Product Information for anti-CD7 antibody	Mouse anti Human CD7 antibody, clone LT7 recognizes the human T-cell antigen CD7, also known as TP41 or CD7. CD7 is a single chain cell surface glycoprotein of 40kD, expressed by T cells, NK cells and thymocytes. CD7 is also expressed by tumor cells in some cases of acute myeloid leukaemia.
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	MBS212052 is an antibody targeting CD7. Also known as MOUSE ANTI HUMAN CD7. Host: Mouse.



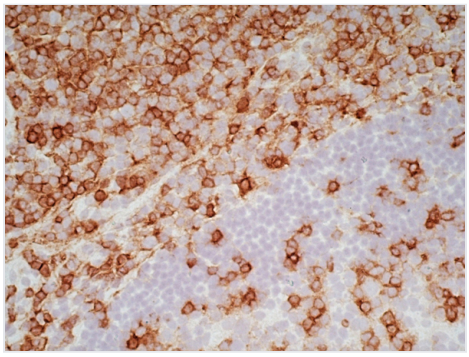
Testing Data of anti-CD7 antibody
Staining of human peripheral blood lymphocytes with Mouse anti Human CD7:Biotin (MBS210314)



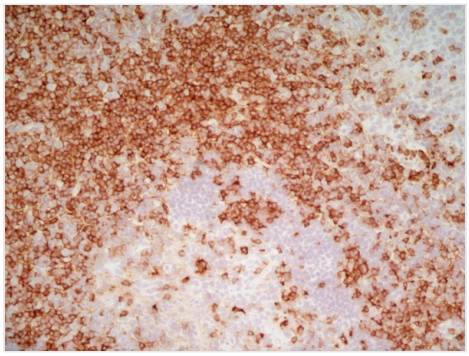
Testing Data of anti-CD7 antibody
Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD7 antibody, clone CT7 followed by Histar Detection system. Medium power



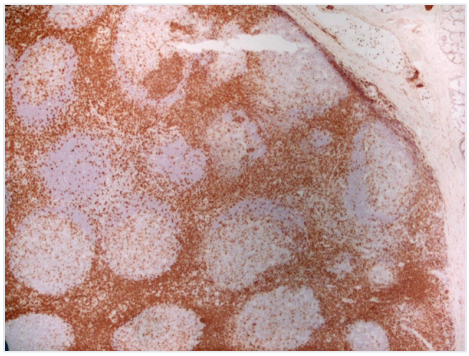
Testing Data of anti-CD7 antibody
Staining of human peripheral blood lymphocytes with Mouse anti Human CD7: FITC (MBS210630)



Testing Data of anti-CD7 antibody
Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD7 antibody, clone CT7 followed by Histar Detection system. High power



Testing Data of anti-CD7 antibody
Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD7 antibody, clone CT7 followed by Histar Detection system. Medium power



Testing Data of anti-CD7 antibody
Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD7 antibody, clone CT7 followed by Histar Detection system. Low power

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
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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