CD58 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD58, Polyclonal Antibody
Full Product Name	CD58 (Lymphocyte Function-associated Antigen 3, Ag3, Surface Glycoprotein LFA-3, LFA3) (MaxLight 490)
Product Gene Name	anti-CD58 antibody
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.
Specificity	Recognizes human CD58.
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 amo cap.
Molecular Weight	28,147 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (117057156..117113715, complement). Location: 1p13
OMIM	153420
3D Structure	ModBase 3D Structure for P19256
Immunogen	Full length human CD58, aa1-250 (NP_001770.1).
Immunogen Sequence	MVAGSDAGRALGVLSVVCLLHCFGFISCFSQQIYGVVYGNVTFHVPSNVPLKEVLWKKQKDKVAELENSEFRAFSSFKNRVYLDTVSGSLTIYNLTSSDED
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-CD58 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD58 antibody	Western Blot (WB)
Application Notes for anti-CD58 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-CD58 antibody	CD58, or LFA-3, is a membrane glycoprotein of 55-70kD. It occurs in two forms, one transmembrane with a cytoplasmic domain, the other form anchor critical role in facilitation of antigen specific recognition through interaction with CD2 on T lymphocytes. It is a member of the immunoglobulin superfami CD58 molecules on each erythrocyte. There is reduced expression of CD58 on haemopoietic cells in individuals with paroxysmal nocturnal haemoglobi
Other Notes	Small volumes of anti-CD58 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa
Searchable Terms for CD58 purchase	MBS6373175 is an antibody targeting CD58. Also known as CD58 (Lymphocyte Function-associated Antigen 3, Ag3, Surface Glycoprotein LFA-3, LFA

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD58. It may not necessarily be applicable to this product.

NCBI GI #	4502677
NCBI GeneID	965
NCBI Accession #	NP_001770.1
UniProt Primary Accession #	P19256
UniProt Secondary Accession #	Q5U053; Q6IB65; Q96KI9; A8K7G5
UniProt Related Accession #	P19256; Q14748; Q16393; Q9BRW0
GenBank Nucleotide #	NM_001779.1
NCBI Official Full Name	lymphocyte function-associated antigen 3 isoform 1
NCBI Official Synonym Full Names	CD58 molecule
NCBI Official Symbol	CD58
NCBI Official Synonym Symbols	ag3; LFA3; LFA-3; FLJ23181; FLJ43722
UniProt Protein Name	Lymphocyte function-associated antigen 3
UniProt Synonym Protein Names	Surface glycoprotein LFA-3
Protein Family	Lymphocyte function-associated antigen
UniProt Gene Name	CD58
UniProt Synonym Gene Names	LFA3; Ag3
UniProt Entry Name	LFA3_HUMAN
NCBI Protein Information	lymphocyte function-associated antigen 3; OTTHUMP00000024363; OTTHUMP00000024364; OTTHUMP00000231922; OTTHUMP00000231923; surface glycoprotein LFA-3; CD58 antigen, (lymphocyte function-associated antigen 3)

UniProt Comments for CD58	CD58: Ligand of the T-lymphocyte CD2 glycoprotein. This interaction is important in mediating thymocyte interactions with thymic epithelial cells, antigen-independent and -dependent interactions of T-lymphocytes with target cells and antigen- presenting cells and the T-lymphocyte rosetting with erythrocytes. In addition, the LFA-3/CD2 interaction may prime response by both the CD2+ and LFA-3+ cells. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, GPI anchor; Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 1p13 Cellular Component: cell surface; membrane; integral to plasma membrane; plasma membrane Molecular Function: protein binding; receptor binding Biological Process: heterotypic cell-cell adhesion; cell-cell adhesion; cell adhesion; blood coagulation; leukocyte migration
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