MBL2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MBL2, Polyclonal Antibody
Full Product Name	MBL2, CT (MBL2, COLEC1, MBL, Mannose-binding protein C, Collectin-1, MBP1, Mannan-binding protein, Mannose-binding lectin) (MaxLight 490)
Product Gene Name	anti-MBL2 antibody
Product Synonym Names	MBL2; COLEC1; MBL; Mannose-binding protein C; Collectin-1; MBP1; Mannan-binding protein; Mannose-binding lectin
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 MBL2.
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	26,144 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (54525140..54531460, complement). Location: 10q11.2
OMIM	154545
3D Structure	ModBase 3D Structure for P11226
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 173-202 in the C-terminal region of human MBL2, UniProt Accession #P11226.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-MBL2 antibody	Antibodies; Lectins
Applications Tested/Suitable for anti-MBL2 antibody	Immunofluorescence (IF), Western Blot (WB), Immunohistochemistry (IHC) Paraffin, FLISA
Application Notes for anti-MBL2 antibody	IF: 1:10-1:50 WB: 1:1000 IHC-P: 1:10-1:50 Applications are based on unconjugated antibody.
Related Product Information for anti-MBL2 antibody	MBS6319370 is an antibody targeting MBL2. Also known as MBL2, CT (MBL2, COLEC1, MBL, Mannose-binding protein C, Collectin-1, MBP1, Mannan-binding protein, Mannose-binding lectin) (MaxLight 490). Reactive in Human. Host: Rabbit.

Product References and Citations for anti-MBL2 antibody	1. Auriti, C., et al. Hum. Immunol. 71(11):1084-1088(2010). 2. Fraser, D.A., et al. J. Immunol. 185(7):3932-3939(2010). 3. de Wit, E., et al. Mamm. Genome (2010). 4. Filho, R.M., et al. Viral Immunol. 23(4):449-453(2010). 5. Hu, Y., et al. Viral Immunol. 23(4):443-447(2010).
Other Notes	Small volumes of anti-MBL2 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 MBL2. It may not necessarily be applicable to this product.

NCBI GI #	4557739
NCBI GeneID	4153
NCBI Accession #	NP_000233.1
UniProt Primary Accession #	P11226
UniProt Secondary Accession #	Q4VB12; Q4VB13; Q86SI4; Q96KE4; Q96TF7; Q96TF8; Q96TF9
UniProt Related Accession #	P11226
GenBank Nucleotide #	NM_000242.2
NCBI Official Full Name	mannose-binding protein C
NCBI Official Synonym Full Names	mannose-binding lectin (protein C) 2, soluble
NCBI Official Symbol	MBL2
NCBI Official Synonym Symbols	MBL; MBP; MBP1; MBPD; MBL2D; MBP-C; COLEC1; HSMBPC
UniProt Protein Name	Mannose-binding protein C
UniProt Synonym Protein Names	Collectin-1; MBP1; Mannan-binding protein; Mannose-binding lectin
Protein Family	Mannose-binding protein
UniProt Gene Name	MBL2
UniProt Synonym Gene Names	COLEC1; MBL; MBP-C
UniProt Entry Name	MBL2_HUMAN
NCBI Protein Information	mannose-binding protein C; collectin-1; mannan-binding lectin; mannose-binding lectin 2, soluble (opsonic defect); mannose-binding lectin (protein C) 2, soluble (opsonic defect)
NCBI Summary for MBL2	This gene encodes the soluble mannose-binding lectin or mannose-binding protein found in serum. The protein encoded belongs to the collectin family and is an important element in the innate immune system. The protein recognizes mannose and N-acetylglucosamine on many microorganisms, and is capable of activating the classical complement pathway. Deficiencies of this gene have been associated with susceptibility to autoimmune and infectious diseases. [provided by RefSeq, Jul 2008]

UniProt Comments for MBL2	MBL2: Calcium-dependent lectin involved in innate immune defense. Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages. May bind DNA. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 10q11.2 Cellular Component: extracellular space; cell surface; collagen; extracellular region Molecular Function: mannose binding; protein binding; calcium ion binding; calcium-dependent protein binding; receptor binding Biological Process: defense response to Gram-positive bacterium; killing by host of symbiont cells; positive regulation of phagocytosis; defense response to bacterium; acute-phase response; innate immune response; response to oxidative stress; opsonization; complement activation, lectin pathway; complement activation, classical pathway; negative regulation of viral reproduction; complement activation Disease: Mannose-binding Protein Deficiency
Research Articles on MBL2	**1.** The data do not support a role of MBL deficiency on susceptibility to pneumococcal community-acquired pneumonia or to invasive pneumococcal disease
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