Mannose Binding Lectin (MBL) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Mannose Binding Lectin (MBL), Polyclonal Antibody
Full Product Name	APC/CY7-Linked Polyclonal Antibody to Mannose Binding Lectin (MBL)
Product Gene Name	anti-MBL antibody
Product Synonym Names	MBL2; COLEC1; HSMBPC; MBP1; MBP; Collectin-1; Mannose-binding protein C; Mannan Binding Protein; Mannose-Binding Lectin (Protein C)2, Soluble (Opsonic Defect)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: MBL (MBS2002190) APC-CY7 Conjugated Antibody: MBL (MBS2055693)
Matching Pairs	APC-CY7 Conjugated Antibody: MBL (MBS2055693) Immunogen: MBL (MBS2011628)
Molecular Weight	26,144 Da
OMIM	X15422 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	MBL (Glu19~Asp244)
Conjugation	APC-Cy7
Cross Reactivity	Rat
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2002190
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-MBL antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-MBL antibody	MBS2055693 is an antibody targeting MBL. Also known as APC/CY7-Linked Polyclonal Antibody to Mannose Binding Lectin (MBL). Reactive in Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-MBL 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 MBL. It may not necessarily be applicable to this product.

NCBI GI #	189503722
NCBI GeneID	4153
NCBI Accession #	ACE06983.1

UniProt Secondary Accession #	Q4VB12; Q4VB13; Q4VB14; Q5SQS3; Q86SI4; Q96KE4; Q96TF7; Q96TF8; Q96TF9
UniProt Related Accession #	P11226
NCBI Official Full Name	mannose binding lectin, partial
NCBI Official Synonym Full Names	mannose binding lectin 2
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
NCBI Protein Information	mannose-binding protein C
NCBI Summary for MBL	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 MBL	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; Secreted, signal peptide Chromosomal Location of Human Ortholog: 10q21.1 Cellular Component: cell surface; extracellular region; extracellular space Molecular Function: calcium ion binding; calcium-dependent protein binding; mannose binding; protein binding; receptor binding; serine-type endopeptidase activity Biological Process: acute-phase response; complement activation; complement activation, lectin pathway; defense response to bacterium; defense response to Gram-positive bacterium; innate immune response; negative regulation of viral reproduction; opsonization Disease: Mannose-binding Protein Deficiency
Research Articles on MBL	**1.** Low MBL serum levels and deficient MBL2 diplotypes were associated with a higher incidence of acute cellular rejection during the first year after kidney transplantation.
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