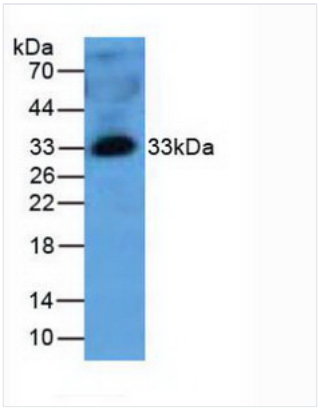
Mannose Binding Lectin (MBL) Antibody – Rabbit Polyclonal

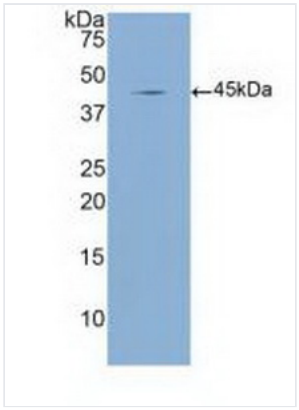
PRODUCT OVERVIEW

Product Name	Mannose Binding Lectin (MBL), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Mannose Binding Lectin (MBL)
Product Gene Name	anti-MBL antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; Supplied as solution form in PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	0.5mg/mL (lot specific)
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 4ºC for frequent use. Aliquot and store at -20ºC for 24 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: MBL (MBS2003693) Immunogen: MBL (MBS2011247)
Matching Pairs	Unconjugated Antibody: MBL (MBS2003693) APC-CY7 Conjugated Antibody: MBL (MBS2055664)
Matching Pairs	Unconjugated Antibody: MBL (MBS2003693) PE Conjugated Antibody: MBL (MBS2055667)
Matching Pairs	Unconjugated Antibody: MBL (MBS2003693) APC Conjugated Antibody: MBL (MBS2055670)
Matching Pairs	Unconjugated Antibody: MBL (MBS2003693) FITC Conjugated Antibody: MBL (MBS2055676)
Matching Pairs	Unconjugated Antibody: MBL (MBS2003693) HRP Conjugated Antibody: MBL (MBS2055679)
Matching Pairs	Unconjugated Antibody: Mannose Binding Lectin (MBL) (MBS2003693) APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675)
Matching Pairs	Unconjugated Antibody: Mannose Binding Lectin (MBL) (MBS2003693) Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678)
Matching Pairs	Unconjugated Antibody: MBL (MBS2003693) Biotin Conjugated Antibody: MBL (MBS2093362)
Matching Pairs	Unconjugated Antibody: MBL (MBS2003693) Cy3 Conjugated Antibody: MBL (MBS2120714)
OMIM	X15422 mRNA

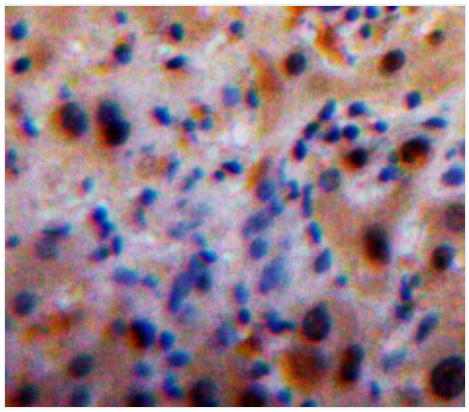
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Source	Polyclonal antibody preparation
Immunogen	Recombinant MBL (Leu130~Ile248 (Accession # P11226)) expressed in E.coli (MBS2011247)
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-MBL antibody	Western Blot (WB); Immunohistochemistry (IHC); Immunocytochemistry (ICC); Immunoprecipitation (IP).
Application Notes for anti-MBL antibody	Western blotting: 0.01-2ug/mL Immunohistochemistry: 5-20ug/mL Immunocytochemistry: 5-20ug/mL Optimal working dilutions must be determined by end user.
Related Product Information for anti-MBL antibody	MBS2003693 is an antibody targeting MBL. Also known as Polyclonal Antibody to Mannose Binding Lectin (MBL). Reactive in Human. 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.



Western Blot (WB) of anti-MBL antibody
Western Blot: Sample: Human Plasma Tissue.



Western Blot (WB) of anti-MBL antibody
Western Blot: Sample: Recombinant MBL, Human.



Immunohistochemistry (IHC) of anti-MBL antibody
DAB staining on fromalin fixed paraffin-embedded Liver tissue)

ADDITIONAL DETAILS

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

NCBI GI #	4557739
NCBI GeneID	4153

UniProt Secondary Accession #	Q4VB12; Q4VB13; Q4VB14; Q5SQS3; 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 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; collagen; 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, classical pathway; complement activation, lectin pathway; defense response to bacterium; defense response to Gram-positive bacterium; innate immune response; killing by host of symbiont cells; negative regulation of viral process; opsonization; positive regulation of phagocytosis; proteolysis; response to oxidative stress Disease: Mannose-binding Protein Deficiency
Research Articles on MBL	**1.** the findings of the current study obtained on mother and children from Zambia evidence lack of association between MBL2 functional polymorphisms and HIV-1 mother-to-child transmission
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