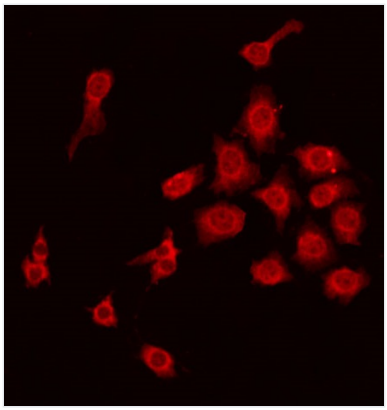
MBL2 Antibody – Rabbit Polyclonal

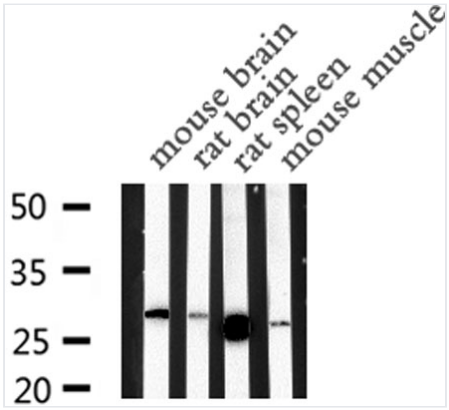
PRODUCT OVERVIEW

Product Name	MBL2, Polyclonal Antibody
Full Product Name	MBL2 Antibody
Product Gene Name	anti-MBL2 antibody
Product Synonym Names	COLEC 1; COLEC1; Collectin-1; HSMBPC; Lectin, mannose-binding, soluble, 2; Mannan binding lectin; Mannan binding protein; Mannan-binding protein; Mannose binding lectin (protein C) 2 soluble; Mannose binding lectin (protein C) 2, soluble (opsonic defect); Mannose binding lectin (protein C) 2, soluble; Mannose binding lectin 2 soluble; Mannose binding lectin 2, soluble (opsonic defect); Mannose binding lectin; Mannose binding lectin protein C2 soluble opsonic defect; Mannose binding protein; Mannose binding protein C; Mannose binding protein C precursor; Mannose binding protein, serum; Mannose-binding lectin; Mannose-binding protein C; MBL 2; MBL; MBL2; MBL2_HUMAN; MBL2D; MBP 1; MBP; MBP C; MBP-C; MBP1; MBPB; MBPC; MBPD; MGC116832; MGC116833; Opsonic defect; protein C; Soluble mannose binding lectin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	MBL2 antibody detects endogenous levels of total MBL2
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	MBL2 peptide (MBS9624324) is used for blocking the activity of MBL2 antibody (MBS9605607)
Molecular Weight	27 kDa
3D Structure	ModBase 3D Structure for P11226
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human MBL2, corresponding to a region within N-terminal amino acids.
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MBL2 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-MBL2 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500 ELISA (peptide): 1:20000-1:40000 The optimal dilitions should be determined by the end user. IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

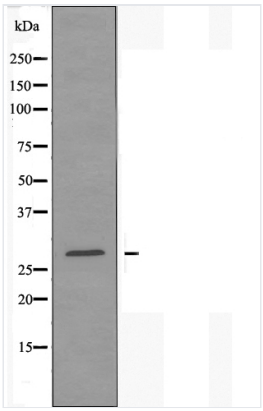
Related Product Information for anti-MBL2 antibody	Function: Calcium-dependent lectin involved in innate immune defense. Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages. May bind DNA.
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.
Searchable Terms for MBL2 purchase	MBS9605607 is an antibody targeting MBL2. Also known as MBL2 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



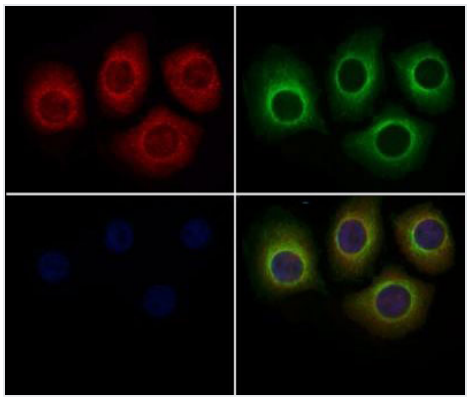
Immunofluorescence (IF) of anti-MBL2 antibody
MBS9605607 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blot (WB) of anti-MBL2 antibody
Western blot analysis of MBL2 expression in various lysates



Western Blot (WB) of anti-MBL2 antibody
Western blot analysis of extracts from HepG2 cells using MBL2 antibody.



Immunofluorescence (IF) of anti-MBL2 antibody
MBS9605607 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(MBS9605607 1:200) and mouse antibeta tubulin Ab(MBS9610328 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.

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; 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 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	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.
Research Articles on MBL2	**1.** he carrying of MBL2 exon 1 codon 54 variant allele (B) was shown to be a risk factor for Recurrent vulvovaginal candidiasis in childbearing women.
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