

Rabbit anti-Human Mannan Binding Lectin/MBL2 Polyclonal Antibody | anti-MBL2 antibody

Anti-Mannan Binding Lectin/MBL2 Antibody, Rabbit Polyclonal

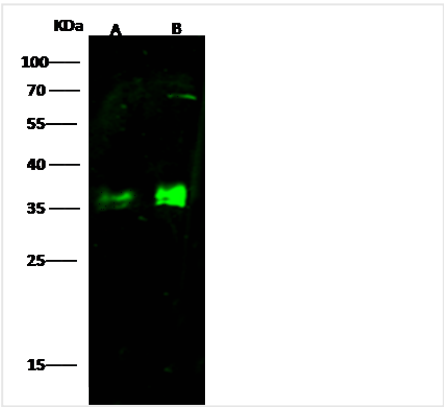
CATALOG # AAA254233	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

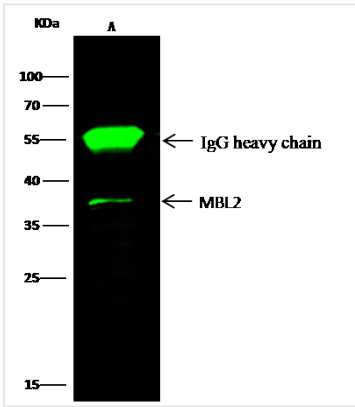
Mannan Binding Lectin/MBL2; Polyclonal Antibody; Anti-Mannan Binding Lectin/MBL2 Antibody; Rabbit Polyclonal; MBL2 Antibody; Rabbit PAb; Antigen Affinity Purified; mannose-binding lectin (protein C) 2; soluble; Anti-COLEC1 Antibody; Anti-HSMBPC Antibody; Anti-MBL Antibody; Anti-MBL2D Antibody; Anti-MBP Antibody; Anti-MBP-C Antibody; Anti-MBP1 Antibody; Anti-MBPD Antibody; anti-MBL2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MBL2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MBL2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the human MBL2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with A synthetic peptide corresponding to the C-terminus of the human MBL2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-MBL2 rabbit polyclonal antibody at 1:500 dilutionLane A: HepG2 Whole Cell LysateLane B: COLO205 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:26 kDaObserved band size:37 kDa(We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)
MBL2 was immunoprecipitated using:Lane A:0.5 mg HepG2 Whole Cell Lysate0.5 uL anti-MBL2 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-MBL2 rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 38 kDaObserved band size: 38 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-MBL2 antibody	MBL (mannose-binding lectin) is primarily a liver-derived collagen-like serum protein, which binds sugar structures on micro-organisms and dying host cells and is one of the four known mediators that initiate activation of the complement system via the lectin pathway. MBL and the ficolins (Ficolin-1, Ficolin-2, and Ficolin-3) are soluble collagen-like proteins that are involved in innate immune defense. They bind sugar structures or acetylated compounds present on microorganisms and dying host cells and they initiate activation of the lectin complement pathway in varying degrees. MBL2 encodes the mannose-binding lectin, which is a key player in the innate immune system and has recently been found to play a role in the development of type 1 diabetes and gestational diabetes mellitus. Common variant alleles situated both in the promoter and structural regions of the MBL2 gene influence the stability and the serum concentration of the protein. Several polymorphisms in the promoter and structural regions of MBL2 adversely affect the plasma concentration and the oligomeric state of MBL. The possession of mutant alleles has been linked to disease outcomes for a variety of bacterial and viral infections. Mutant MBL2 haplotypes have been linked to disease progression and response to therapy in HCV infection.
Product Categories/Family for anti-MBL2 antibody	Complement Activation Pathways
References	Garred P, et al. (2006) Mannose-binding lectin and its genetic variants. Genes Immun. 7(2): 85-94.Brown KS, et al. (2007) Mannan binding lectin and viral hepatitis. Immunol Lett. 108(1): 34-44.Garred P. (2008) Mannose-binding lectin genetics: from A to Z. Biochem Soc Trans. 36(Pt 6): 1461-6.Garred P, et al. (2009) MBL2, FCN1, FCN2 and FCN3-The genes behind the initiation of the lectin pathway of complement. Mol Immunol. 46(14): 2737-44.Muller YL, et al. (2010) Functional Variants in MBL2 Are Associated With Type 2 Diabetes and Pre-Diabetes Traits in Pima Indians and the Old Order Amish. Diabetes. 59(8): 2080-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557739
NCBI GeneID	4153
NCBI Accession #	NP_000233.1
NCBI GenBank Nucleotide #	NM_000242.2
UniProt Accession #	P11226 ; Q4VB12 ; Q4VB13 ; Q86SI4 ; Q96KE4 ; Q96TF7 ; Q96TF8 ; Q96TF9
Molecular Weight	26,144 Da
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
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)
UniProt Protein Name	Mannose-binding protein C
UniProt Gene Name	MBL2
UniProt Synonym Gene Names	COLEC1; MBL; MBP-C
UniProt Entry Name	MBL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mannan-binding-lectin-mbl2-antibody-immunoprecipitation-western-blot-elisa/254233>