

**Goat Anti-MBL2 / Mannan-Binding Lectin Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1656a

**Specification**

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**Goat Anti-MBL2 / Mannan-Binding Lectin Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P11226</a>
Other Accession	<a href="#">NP_000233</a> , <a href="#">4153</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	26144

**Goat Anti-MBL2 / Mannan-Binding Lectin Antibody - Additional Information**

**Gene ID** 4153

**Other Names**

Mannose-binding protein C, MBP-C, Collectin-1, MBP1, Mannan-binding protein, Mannose-binding lectin, MBL2, COLEC1, MBL

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-MBL2 / Mannan-Binding Lectin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-MBL2 / Mannan-Binding Lectin Antibody - Protein Information**

**Name** MBL2 ([HGNC:6922](#))

**Synonyms** COLEC1, MBL

**Function**

Calcium-dependent lectin involved in innate immune defense (PubMed:<a href="http://www.uniprot.org/citations/35102342" target="\_blank">35102342</a>). 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. Upon SARS coronavirus-2/SARS-CoV-2 infection, activates the complement lectin pathway which leads to the inhibition SARS-CoV-2 infection and a reduction of the induced inflammatory response (PubMed:<a href="http://www.uniprot.org/citations/35102342" target="\_blank">35102342</a>).

#### Cellular Location

Secreted.

#### Tissue Location

Plasma protein produced mainly in the liver.

### Goat Anti-MBL2 / Mannan-Binding Lectin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Goat Anti-MBL2 / Mannan-Binding Lectin Antibody - Images



AF1656a (1 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-MBL2 / Mannan-Binding Lectin Antibody - Background

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.

### Goat Anti-MBL2 / Mannan-Binding Lectin Antibody - References

Gene-gene interaction between tuberculosis candidate genes in a South African population. de Wit

E, et al. Mamm Genome, 2010 Aug 27. PMID 20799037.

Role of mannose-binding lectin in nosocomial sepsis in critically ill neonates. Auriti C, et al. Hum Immunol, 2010 Aug 21. PMID 20732365.

High frequency of variant alleles of the mannose-binding lectin 2 (MBL2) gene are associated with patients infected by hepatitis B virus. Filho RM, et al. Viral Immunol, 2010 Aug. PMID 20712490.

Association between mannose-binding lectin gene polymorphism and pediatric cytomegalovirus infection. Hu Y, et al. Viral Immunol, 2010 Aug. PMID 20712489.

Mannose-binding lectin geno- and phenotype in patients with type 2 diabetes and myocardial infarction -a report from the DIGAMI 2 trial. Mellbin LG, et al. Diabetes Care, 2010 Aug 6. PMID 20693349.