

## Product datasheet

# Anti-Mannan Binding Lectin/MBL antibody [EPR18381-83] ab212060

Recombinant RabMAb

[4 Images](#)

### Overview

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<b>Product name</b>	Anti-Mannan Binding Lectin/MBL antibody [EPR18381-83]
<b>Description</b>	Rabbit monoclonal [EPR18381-83] to Mannan Binding Lectin/MBL
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Mouse serum; Mouse kidney lysate. IHC-P: Mouse liver tissue. IP: Mouse serum.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR18381-83
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab212060 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/4000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 26 kDa (predicted molecular weight: 26 kDa).
IP		1/30.

## Target

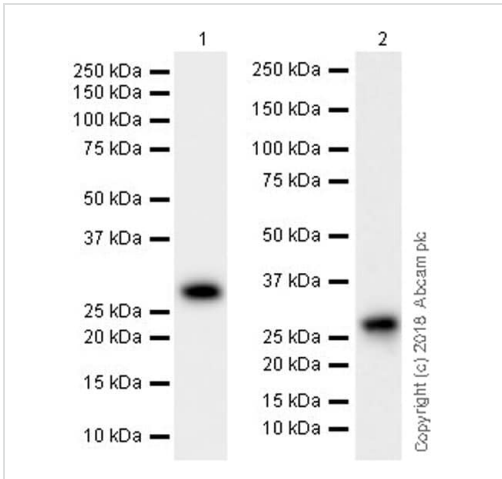
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<b>Function</b>	Calcium-dependent lectin involved in innate immune defense. Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages. May bind DNA.
<b>Tissue specificity</b>	Plasma protein produced mainly in the liver.
<b>Involvement in disease</b>	Note=There is an association between low levels of MBL2 and a defect of opsonization which results in susceptibility to frequent and chronic infections.
<b>Sequence similarities</b>	Contains 1 C-type lectin domain. Contains 1 collagen-like domain.
<b>Cellular localization</b>	Secreted.

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## Images

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Western blot - Anti-Mannan Binding Lectin/MBL antibody [EPR18381-83] (ab212060)

**All lanes :** Anti-Mannan Binding Lectin/MBL antibody [EPR18381-83] (ab212060) at 1/1000 dilution

**Lane 1 :** Mouse serum

**Lane 2 :** Mouse kidney lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

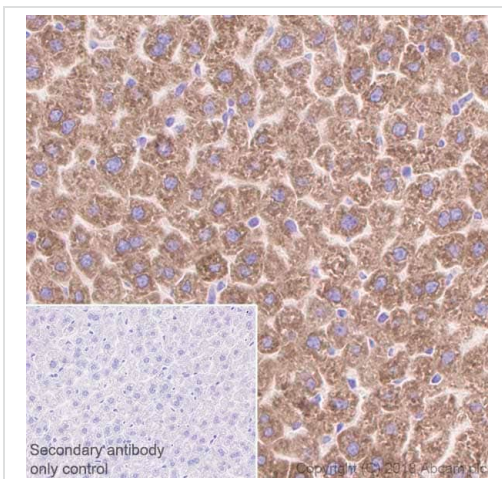
**All lanes :** VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/1000 dilution

**Predicted band size:** 26 kDa

**Observed band size:** 26 kDa

**Blocking/Dilution buffer:** 5% NFDM/TBST.

**Exposure time:** Line 1: 3 seconds: Lane 2: 41 seconds.

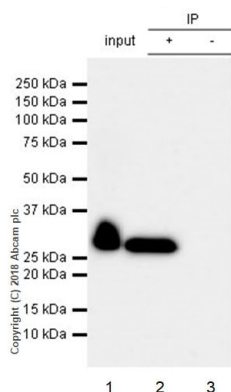


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mannan Binding Lectin/MBL antibody [EPR18381-83] (ab212060)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue labeling Mannan Binding Lectin/MBL with ab212060 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining in mouse liver (PMID: 12538708) is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-Mannan Binding Lectin/MBL antibody [EPR18381-83] (ab212060)

Mannan Binding Lectin/MBL was immunoprecipitated from 0.35 mg of mouse serum with ab212060 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab212060 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/5,000 dilution

Lane 1: Mouse serum 10 µg (Input).

Lane 2: ab212060 IP in mouse serum.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab212060 in mouse serum.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 30 seconds.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Mannan Binding Lectin/MBL antibody [EPR18381-83] (ab212060)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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