

Anti-Mannan Binding Lectin/MBL antibody [EPR18381-83] - BSA and Azide free ab236550

Recombinant RabMAb

3 Images

Overview

Product name	Anti-Mannan Binding Lectin/MBL antibody [EPR18381-83] - BSA and Azide free
Description	Rabbit monoclonal [EPR18381-83] to Mannan Binding Lectin/MBL - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, IP
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Mouse liver tissue.
General notes	ab236550 is the carrier-free version of ab212060 .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR18381-83
Isotype	IgG

Applications

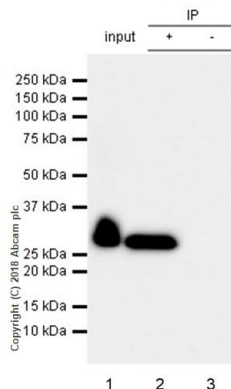
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab236550 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 26 kDa (predicted molecular weight: 26 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.

Target

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.
Tissue specificity	Plasma protein produced mainly in the liver.
Involvement in disease	Note=There is an association between low levels of MBL2 and a defect of opsonization which results in susceptibility to frequent and chronic infections.
Sequence similarities	Contains 1 C-type lectin domain. Contains 1 collagen-like domain.
Cellular localization	Secreted.

Images



Immunoprecipitation - Anti-Mannan Binding Lectin/MBL antibody [EPR18381-83] - BSA and Azide free (ab236550)

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 1/5000 dilution.

Lane 1: Mouse serum 10 µg (Input).

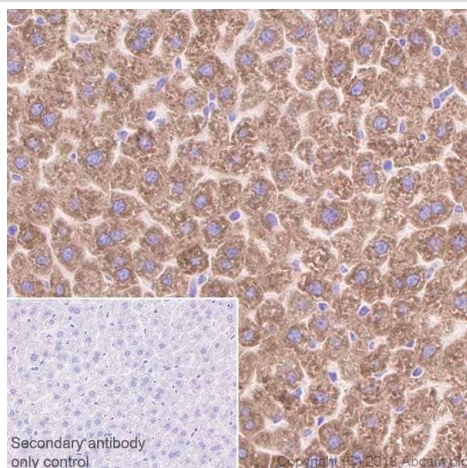
Lane 2: **ab212060** IP in mouse serum.

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab212060**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mannan Binding Lectin/MBL antibody [EPR18381-83] - BSA and Azide free (ab236550)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab212060**).

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

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

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

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