

## Product datasheet

# Anti-MASP1 antibody [EPR22680-36] ab255814

Recombinant RabMAb

[5 Images](#)

### Overview

<b>Product name</b>	Anti-MASP1 antibody [EPR22680-36]
<b>Description</b>	Rabbit monoclonal [EPR22680-36] to MASP1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, Flow Cyt <b>Unsuitable for:</b> IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Rat liver, serum, lung and plasma lysate; mouse plasma, liver and serum lysate. ICC/IF: RAW 264.7 cells. Flow Cyt: RAW 264.7 cells.
<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

<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: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR22680-36

Isotype

IgG

## Applications

### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab255814 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		1/1000. Predicted molecular weight: 79 kDa.
ICC/IF		1/50.
Flow Cyt		1/50.

### Application notes

Is unsuitable for IHC-P or IP.

## Target

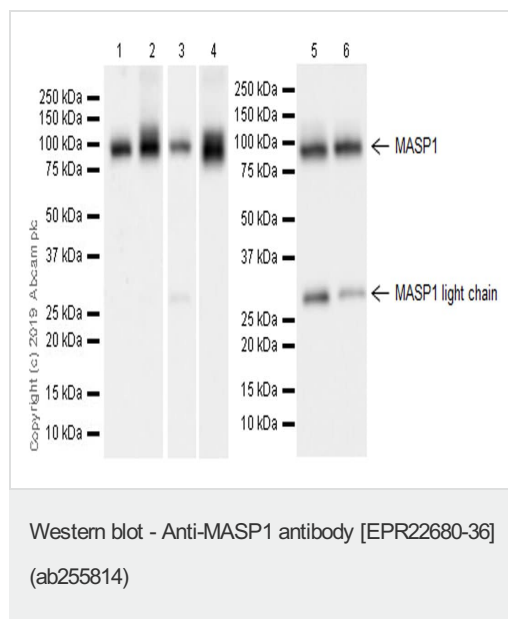
### Relevance

MASP is a component of the bactericidal ra-reactive factor rarf which specifically binds to RA and R2 polysaccharides expressed by certain enterobacteria. It triggers the activation of complement cascade by activating the C4 and C2 components. It activates the C4 component by cleaving the alpha-chain of C4. The alternative-splicing product from MASP1 gene is called MASP3. MASP1 is associated with smaller MBL oligomers whereas MASP3 is found on larger oligomers. The substrate of MASP3 is unknown.

### Cellular localization

Secreted

## Images



**All lanes** : Anti-MASP1 antibody [EPR22680-36] (ab255814) at 1/1000 dilution

**Lane 1** : Rat liver lysate

**Lane 2** : Rat serum lysate

**Lane 3** : Rat lung lysate

**Lane 4** : Rat plasma lysate

**Lane 5** : Mouse plasma lysate

**Lane 6** : Mouse serum lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

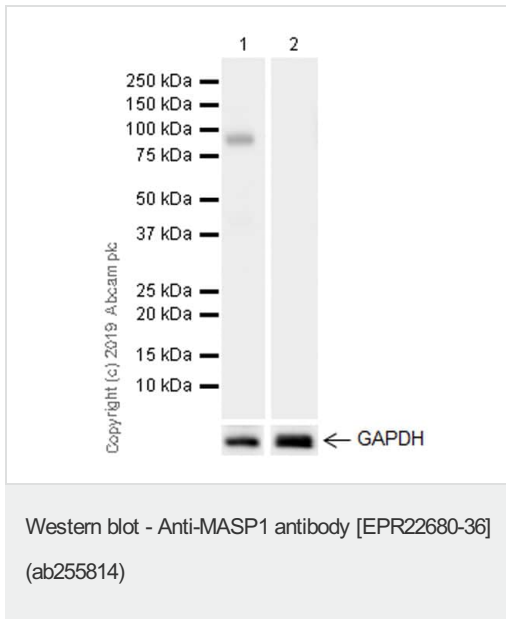
**Predicted band size:** 79 kDa

**Observed band size:** 90, 28 kDa

The molecular weight observed is consistent with what has been described in the literature (PMID: 24472859, 27232184).

Exposure times: Lanes 1-3: 59 secs; Lane 4: 26 secs; Lanes 5-6: 15 secs.

Blocking/Diluting buffer: 5% NFD/MTBST.



**All lanes :** Anti-MASP1 antibody [EPR22680-36] (ab255814) at 1/1000 dilution

**Lane 1 :** Mouse liver lysate

**Lane 2 :** Mouse pancreas lysate

Lysates/proteins at 20 µg per lane.

#### **Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

**Predicted band size:** 79 kDa

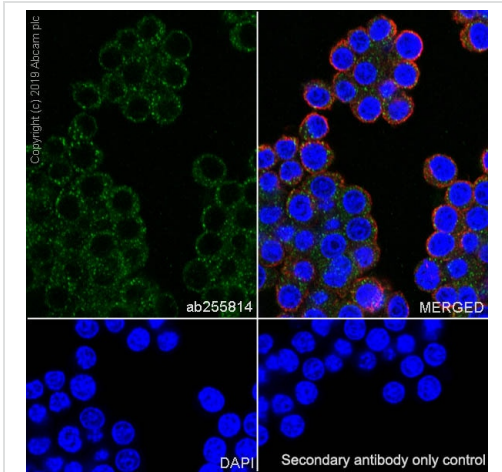
**Observed band size:** 90 kDa

**Exposure time:** 15 seconds

The molecular weight observed is consistent with what has been described in the literature (PMID: 24472859, 27232184).

**Negative control:** Pancreas (based on Expression Atlas, GTEx and HPA databases).

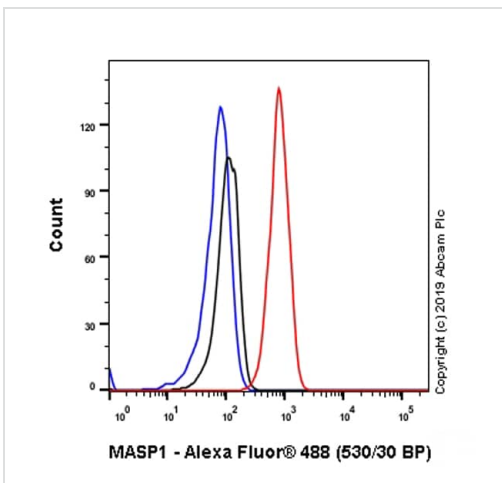
Blocking/Diluting buffer: 5% NFD/MTBST.



Immunocytochemistry/ Immunofluorescence - Anti-MASP1 antibody [EPR22680-36] (ab255814)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) cells labeling MASP1 with ab255814 at a 1/50 dilution, followed by ab150077 AlexaFluor<sup>®</sup>488 Goat anti-Rabbit secondary antibody at a 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in RAW 264.7 cells is observed. ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor<sup>®</sup> 594) was used to counterstain tubulin at 1/200 dilution (Red). The nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ab150077 AlexaFluor<sup>®</sup>488 Goat anti-Rabbit secondary at 1/1000 dilution.



Flow Cytometry - Anti-MASP1 antibody [EPR22680-36] (ab255814)

Flow cytometric analysis of RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) cells labeling MASP1 with ab255814 at a 1/50 dilution (Red) compared with a Rabbit monoclonal IgG (ab172730) isotype control (Black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti rabbit IgG (Alexa Fluor<sup>®</sup> 488, ab150077) at a 1/2000 dilution was used as the secondary antibody. Gated on viable cells.

### 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-MASP1 antibody [EPR22680-36] (ab255814)

**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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