

## Product datasheet

# Anti-MASP1 antibody [EPR22680-36] - BSA and Azide free ab256814

Recombinant RabMAb

3 Images

### Overview

<b>Product name</b>	Anti-MASP1 antibody [EPR22680-36] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR22680-36] to MASP1 - BSA and Azide free
<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>	ab256814 is the carrier-free version of <a href="#">ab255814</a> .

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<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> 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<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR22680-36
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab256814 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
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 79 kDa.
<b>ICC/IF</b>		Use at an assay dependent concentration.
<b>Flow Cyt</b>		Use at an assay dependent concentration.

**Application notes** Is unsuitable for IHC-P or IP.

## Target

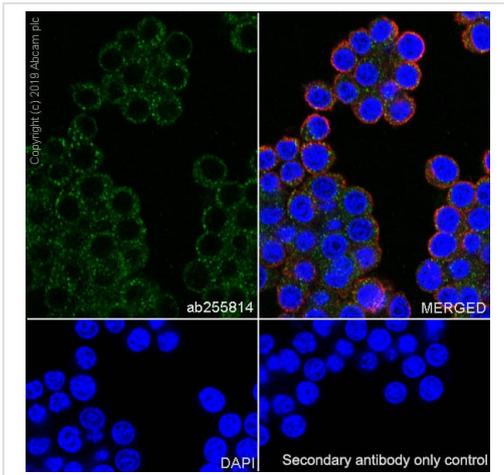
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**Relevance** MASP is a component of the bactericidal ra-reactive factor rarf which specifically binds to RA and R2 polysaccharides expressed by certain enterobacteria. It triggers the activation of complement cascade by activating the C4 and C2 components. 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

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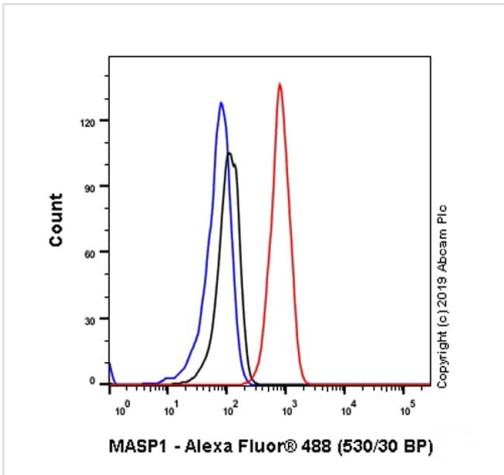


Immunocytochemistry/ Immunofluorescence - Anti-MASP1 antibody [EPR22680-36] - BSA and Azide free (ab255814)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab255814](#)).



Flow Cytometry - Anti-MASP1 antibody [EPR22680-36] - BSA and Azide free (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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab255814](#)).

### 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] - BSA and Azide free (ab256814)

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

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- 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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