

Product datasheet

Anti-MX1 antibody [EPR19967] ab207414

Recombinant RabMAb

6 References 6 Images

Overview

<b>Product name</b>	Anti-MX1 antibody [EPR19967]
<b>Description</b>	Rabbit monoclonal [EPR19967] to MX1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), IP, ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Daudi treated with 20U/ml IFN alpha 1 for 24 hours whole cell lysate; Human spleen and tonsil lysates; Untreated Daudi (Human Burkitt's lymphoma lymphoblast) whole cell lysate ICC/IF: Daudi cells treated with 20U/ml IFN alpha 1 for 24 hours. IP: Daudi treated with 20 U/ml IFN alpha 1 for 24 hours whole cell lysate Flow Cyt (intra): Daudi 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: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR19967

Isotype

IgG

## Applications

### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab207414 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
Flow Cyt (Intra)		1/500. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IP		1/40 - 1/1000.
ICC/IF		1/250.
WB		1/1000 - 1/2000. Detects a band of approximately 76 kDa (predicted molecular weight: 76 kDa).

## Target

### Function

May regulate the calcium channel activity of TRPCs. Shows activity against influenza virus and VSV, a rhabdovirus.

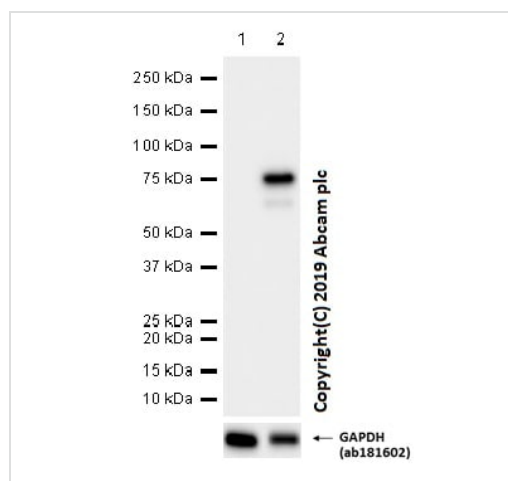
### Sequence similarities

Belongs to the dynamin family.  
Contains 1 GED domain.

### Cellular localization

Cytoplasm.

## Images



Western blot - Anti-MX1 antibody [EPR19967] (ab207414)

**All lanes** : Anti-MX1 antibody [EPR19967] (ab207414) at 1/2000 dilution

**Lane 1** : Untreated Daudi (Human Burkitt's lymphoma lymphoblast) whole cell lysate

**Lane 2** : Daudi (Human Burkitt's lymphoma lymphoblast) treated with 20 U/ml IFN alpha 1 for 24 hours whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

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

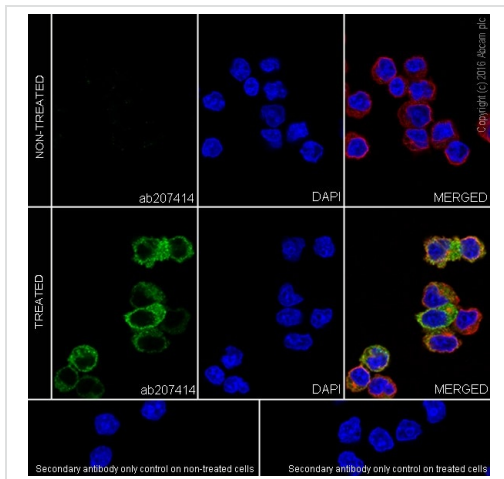
**Predicted band size:** 76 kDa

**Observed band size:** 76 kDa

Blocking buffer and concentration: 5% NFDM/TBST

Diluting buffer and concentration: 5% NFDM /TBST

Exposure time: 3.25 seconds

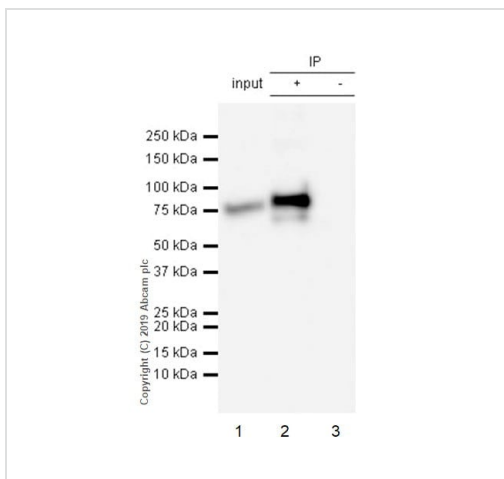


Immunocytochemistry/ Immunofluorescence - Anti-MX1 antibody [EPR19967] (ab207414)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Daudi (Human Burkitt's lymphoma cell line) cells labeling MX1 with ab207414 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Confocal image showing negative staining on Daudi cell line. Expression was induced and showed cytoplasmic staining after cells were treated with IFN alpha 1 (20 U/ml) for 24h. The nuclear counterstain is DAPI (blue).

Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (ab195889) at 1/200 dilution (red).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution.



Immunoprecipitation - Anti-MX1 antibody [EPR19967] (ab207414)

Blocking buffer and concentration: 5% NFDM/TBST

Diluting buffer and concentration: 5% NFDM/TBST

**All lanes :** Anti-MX1 antibody [EPR19967] (ab207414) at 1/1000 dilution

**Lanes 1-2 :** Daudi (Human Burkitt's lymphoma lymphoblast) treated with 20 U/ml IFN alpha 1 for 24 hours whole cell lysate

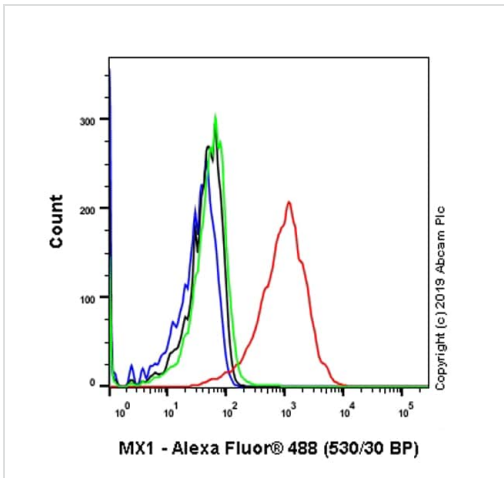
**Lane 3 :** Rabbit monoclonal IgG (ab172730) instead of ab207414 in Daudi treated with 20 U/ml IFN alpha 1 for 24 hours whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

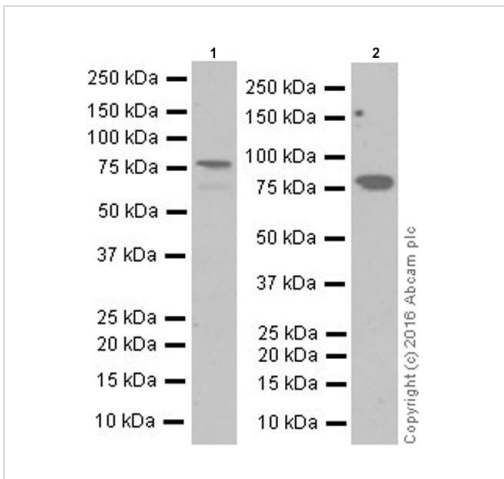
**All lanes :** VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution (VeriBlot for IP detection reagent (HRP))

**Observed band size:** 76 kDa



Flow Cytometry (Intracellular) - Anti-MX1 antibody  
[EPR19967] (ab207414)

Intracellular Flow Cytometry analysis of Daudi (Human Burkitt's lymphoma lymphoblast) treated with 20U/mL IFN alpha 1 for 24h cells labeling MX1 with purified ab207414 at 1/500 dilution (1µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cells without incubation with primary antibody and secondary antibody (Blue). Untreated control (Green).



Western blot - Anti-MX1 antibody [EPR19967]  
(ab207414)

**All lanes :** Anti-MX1 antibody [EPR19967] (ab207414) at 1/1000 dilution

**Lane 1 :** Human spleen lysate

**Lane 2 :** Human tonsil lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 76 kDa

**Observed band size:** 76 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: Lane 1: 3 seconds; Lane 2: 1 minute.

### 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-MX1 antibody [EPR19967] (ab207414)

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

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