



Product datasheet

Anti-EPCR/CD201 antibody [M2] ab56689

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Overview

Product name	Anti-EPCR/CD201 antibody [M2]
Description	Mouse monoclonal [M2] to EPCR/CD201
Host species	Mouse
Tested applications	Suitable for: IHC-P, Flow Cyt, WB, ICC/IF
Species reactivity	Reacts with: Human, Recombinant fragment
Immunogen	Recombinant full length protein corresponding to Human EPCR/CD201 aa 1-250. Database link: Q9UNN8
	<div>  Run BLAST with  Run BLAST with </div>
General notes	<p>This product was changed from ascites to tissue culture supernatant on 15 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.4
Purity	Tissue culture supernatant
Purification notes	Purified from TCS.
Clonality	Monoclonal
Clone number	M2
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab56689 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		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.
ICC/IF		Use at an assay dependent concentration.

Target

Function

Binds activated protein C. Enhances protein C activation by the thrombin-thrombomodulin complex; plays a role in the protein C pathway controlling blood coagulation.

Tissue specificity

Expressed strongly in the endothelial cells of arteries and veins in heart and lung, less intensely in capillaries in the lung and skin, and not at all in the endothelium of small vessels of the liver and kidney.

Post-translational modifications

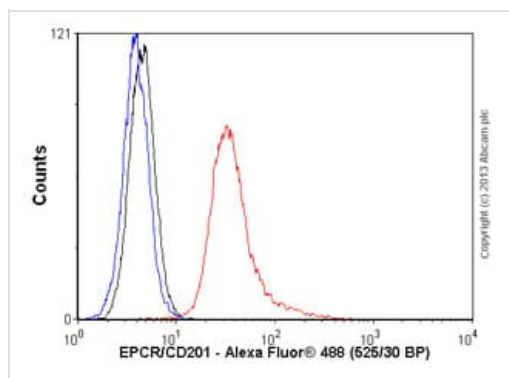
N-glycosylated.

A soluble form exists; probably released by a metalloprotease. Seems to have the same activity as the membrane-bound form.

Cellular localization

Membrane.

Images

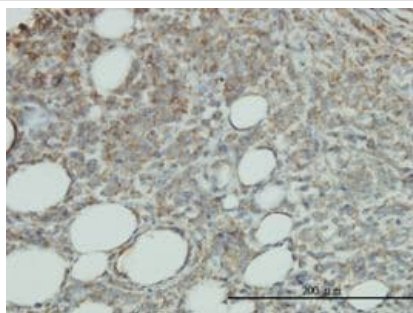


Flow Cytometry - Anti-EPCR/CD201 antibody [M2]
(ab56689)

Overlay histogram showing A549 cells stained with ab56689 (red line). The cells were fixed with 80% methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab56689, 0.01 μ g/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) (**ab150113**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 1 μ g/1x10⁶ cells) used under the same conditions.

Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.

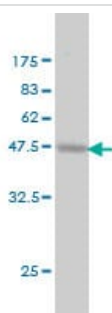
This image was generated using the ascites version of the product.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EPCR/CD201 antibody [M2] (ab56689)

EPCR/CD201 antibody (ab56689) used in immunohistochemistry at 3 μ g/ml on formalin fixed and paraffin embedded human malignant lymphoma, diffuse large B tissue.

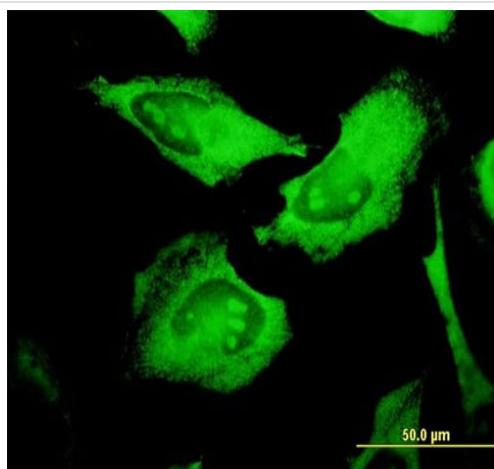
This image was generated using the ascites version of the product.



Western blot - Anti-EPCR/CD201 antibody [M2]
(ab56689)

Western blot against tagged recombinant protein immunogen using ab56689 EPCR/CD201 antibody at 1 μ g/ml. Predicted band size of immunogen is 52 kDa

This image was generated using the ascites version of the product.



Immunocytochemistry/ Immunofluorescence - Anti-EPCR/CD201 antibody [M2] (ab56689)

Immunofluorescence analysis of HeLa cells, staining EPCR/CD201 with ab56689 at 10 µ/ml.

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