abcam

ab324934

Anti-CLEC5A antibody [EPR28001-63]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR28001-63
Purification technique	Affinity purification Protein A
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	5 µg/mL
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	0.2 µg/mL
Notes	-

WB

Not recommended

Species	Human
Dilution info	-
Notes	-

Target data

See full target information CLEC5A

Function	Functions as a positive regulator of osteoclastogenesis (By similarity). Cell surface receptor that signals via TYROBP (PubMed:10449773). Regulates inflammatory responses (By similarity). (Microbial infection) Critical macrophage receptor for dengue virus serotypes 1-4 (PubMed:18496526, PubMed:21566123). The binding of dengue virus to CLEC5A triggers signaling through the phosphorylation of TYROBP (PubMed:18496526). This interaction does not result in viral entry, but stimulates pro-inflammatory cytokine release (PubMed:18496526).

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

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

What are the advantages of a recombinant monoclonal antibody?
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 batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

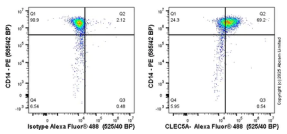
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

3 product images



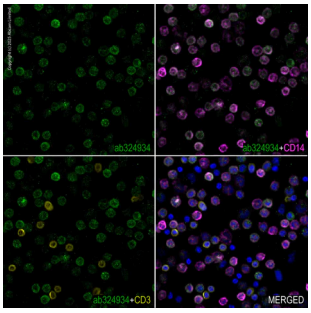
Flow Cytometry - Anti-CLEC5A antibody [EPR28001-63] (ab324934)

CLEC5A Flow Cytometry staining of Human PBMC CD14 using rabbit Anti-CLEC5A antibody

Flow cytometry staining of human peripheral blood mononuclear cells (PBMCs) with ab324934 (right) or Recombinant Rabbit IgG, monoclonal [EPR25A] - Isotype Control (left). PBMCs were incubated for 30 min on ice in 1x PBS containing 10 µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction, followed by the antibody ab324934 or Recombinant Rabbit IgG, monoclonal [EPR25A] - Isotype Control (1 x 10^6 in 100 µl at 0.2 µg/ml (1/2500)) for 30 min on ice. The cells were simultaneously stained with CD14.

The secondary antibody Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed was incubated at 1/4000 for 30 min on ice.

Acquisition of >30, 000 events were collected using a 50mW Blue laser (488 nm) and 525/40 bandpass filter. Events were gated on monocytes.



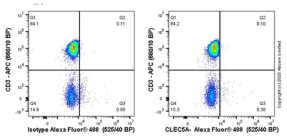
Immunocytochemistry/ Immunofluorescence - Anti-CLEC5A antibody [EPR28001-63] (ab324934)

CLEC5A Immunocytochemistry/ Immunofluorescence staining of Human PBMC using rabbit Anti-CLEC5A antibody

ab324934 staining CLEC5A in human peripheral blood mononuclear cells. The cells were fixed and permeabilised with BD Cytofix/Cytoperm™ for 20 min and then incubated for 30 mins on ice in 1x PBS containing 10 µg/ml human IgG and 10 % normal goat serum to block FC receptors and non-specific protein-protein interaction. The cells were then incubated overnight at 4°C with ab324934 at 5µg/ml (shown in green), anti-human CD14 (PE) (shown in pseudocolour magenta) and anti-human CD3 (APC) (shown in pseudocolour yellow). Cells were then incubated with ab150081, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution.

Nuclear DNA was labelled with DAPI (shown in blue). CLEC5A is expressed on CD14 positive PBMCs, whilst CD14 and CD3 expression is mutually exclusive.

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a single confocal section is shown.



Flow Cytometry - Anti-CLEC5A antibody [EPR28001-63] (ab324934)

CLEC5A Flow Cytometry staining of Human PBMC CD3 using rabbit Anti-CLEC5A antibody

Flow cytometry staining of human peripheral blood mononuclear cells (PBMCs) with ab324934 (right) or Recombinant Rabbit IgG, monoclonal [EPR25A] - Isotype Control (left). PBMCs were incubated for 30 min on ice in 1x PBS containing 10 µg/ml human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction, followed by the antibody ab324934 or Recombinant Rabbit IgG, monoclonal [EPR25A] - Isotype Control (1 x 10^6 in 100 µl at 0.2 µg/ml (1/2500)) for 30 min on ice. The cells were simultaneously stained with CD3.

The secondary antibody Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed was incubated at 1/4000 for 30 min on ice.

Acquisition of >30, 000 events were collected using a 50mW Blue laser (488 nm) and 525/40 bandpass filter. Events were gated on lymphocytes.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.