abcam

ab323732

PE Anti-CD300a antibody [EPR27995-84]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Conjugation	PE
Excitation/Emission	Ex: 480;565nm, Em: 578nm
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR27995-84
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

Flow Cyt

Tested

Species	Human
Dilution info	1/500

Notes	-

Target data

See full target information CD300A

Function	Inhibitory receptor which may contribute to the down-regulation of cytolytic activity in natural killer (NK) cells, and to the down-regulation of mast cell degranulation (PubMed:10746781, PubMed:16339535, PubMed:9701027). Negatively regulates the Toll-like receptor (TLR) signaling mediated by MYD88 but not TRIF through activation of PTPN6 (PubMed:22043923).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle, Store in the dark

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

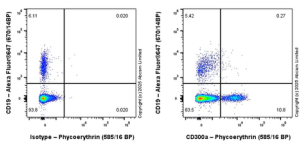
We do not recommend this combination. It is not covered by our product promise.

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

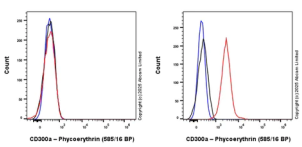


Flow Cytometry - PE Anti-CD300a antibody [EPR27995-84] (ab323732)

CD300a Flow Cytometry staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti-CD300a antibody

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell) cells labelling CD300a with ab323732 at 1/500 dilution (0.1ug) / Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Cells were co-stained with anti human CD19 conjugated to Alexa Fluor® 647.
Gated on viable cells.

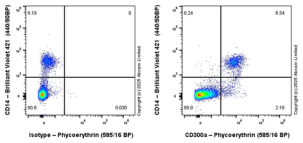


Flow Cytometry - PE Anti-CD300a antibody [EPR27995-84] (ab323732)

CD300a Flow Cytometry staining using rabbit Anti-CD300a antibody

Flow cytometric analysis of 293T (human embryonic kidney epithelial cell, Left) / THP-1 (human monocytic leukemia monocyte, Right) cells labelling CD300a with ab323732 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Gated on viable cells.
Negative control: 293T (PMID: 22043923)



Flow Cytometry - PE Anti-CD300a antibody [EPR27995-84] (ab323732)

CD300a Flow Cytometry staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti-CD300a antibody

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell) cells labelling CD300a with ab323732 at 1/500 dilution (0.1ug) / Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Phycoerythrin) (ab209478) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Cells were co-stained with anti human CD14 conjugated to Brilliant Violet 421.
Gated on viable cells.

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