abcam

ab328645

Anti-Sialic acid-binding Ig-like lectin 9 antibody [EPR30869-79]

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	EPR30869-79
Purification technique	Affinity purification Protein A

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	0.04 µg/mL
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/500
Notes	-

IHC-P

Not recommended

Species	Human
Dilution info	-
Notes	-

Target data

See full target information SIGLEC9

Function	Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3- or alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface.

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

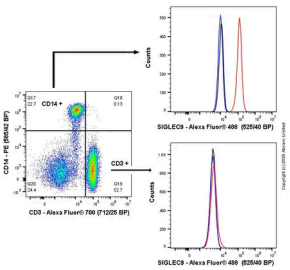
We do not recommend this combination. It is not covered by our product promise.

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



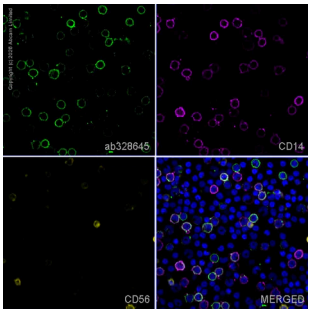
Flow Cytometry - Anti-Sialic acid-binding Ig-like lectin 9 antibody [EPR30869-79] (ab328645)

Sialic acid-binding Ig-like lectin 9 Flow Cytometry staining of Human PBMC using rabbit Anti-Sialic acid-binding Ig-like lectin 9 antibody

Flow cytometric analysis of 4% paraformaldehyde fixed / permeabilized Hu PBMC cells labelling SIGLEC9 with ab328645 at 0.04 ug/mL / Red compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Alexa Fluor® 488) (ab199091) / Black isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/4000 dilution was used as the secondary antibody.

Flow cytometry overlay histogram showing top $CD14^+$ human PBMCs (positive cells) and bottom $CD3^+$ human PBMCs (negative cells) stained with ab328645 (red line). Cells were incubated for 30 min on ice in 1× PBS containing 10 µg/ml human IgG and 10% normal goat serum to block Fc receptors and non☒specific protein-protein interactions, followed by the antibody ab328645 or Recombinant Rabbit IgG, monoclonal [EPR25A] - Isotype Control (1×10^6 cells in 100 µl at 0.04 µg/ml) for 30 min on ice. The cells were simultaneously stained with CD14 and CD3. Isotype control antibody (black line) was Recombinant Rabbit IgG, monoclonal [EPR25A] - Isotype Control, used at the same concentration and under the same conditions as the primary antibody. An unlabelled sample (without incubation with the primary antibody, blue line) was also used as a control. 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 was performed using a 50 mW blue laser (488 nm) and a 525/40 bandpass filter. Events were gated on either $CD14^+$ or $CD3^+$ cells.



Immunocytochemistry/ Immunofluorescence - Anti-Sialic acid-binding Ig-like lectin 9 antibody [EPR30869-79] (ab328645)

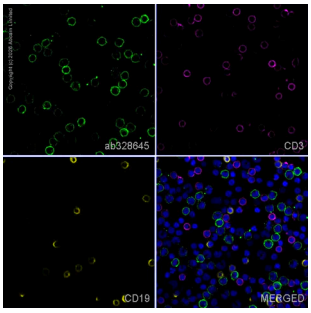
Sialic acid-binding Ig-like lectin 9 Immunocytochemistry/ Immunofluorescence staining of Human PBMC using rabbit Anti-Sialic acid-binding Ig-like lectin 9 antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, None permeabilized Human PBMC cells labelling SIGLEC9 with ab328645 at 1/500 (1 ug/mL) dilution , followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 dilution (Green).

ab328645 staining SIGLEC9 in human peripheral blood mononuclear cells (PBMCs). The target is detected in CD14+ PBMCs, but is not detected in CD3+ or CD19+ PBMCs. The cells were fixed with BD Cytofix™ for 20 min and then blocked with Human BD Fc Block™ for 1h. The cells were incubated for 2h at room temperature with ab328645 at 1 µg/mL (shown in green), anti-mouse CD14 (APC) (shown in pseudocolour magenta) and anti-human CD56 (PE) (shown in pseudocolour yellow). Cells were then incubated with ab150081, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed and at 1/1000 dilution for 1h. Nuclear DNA was labelled with DAPI (shown in blue). Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.

was used to counterstain tubulin at 1/ dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution.



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