abcam

ab272341

APC Anti-Sialoadhesin/CD169 antibody [7-239]

Anti-Sialoadhesin/CD169 antibody [7-239] conjugated to APC - suitable for flow cytometry, and reacts with human samples. Clone [7-239] is a mouse monoclonal antibody cited in 53 publications.

Design your panel with our interactive flow cytometry panel builder. Click here.

Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	APC
Excitation/Emission	Ex: 650nm, Em: 660nm
Storage buffer	pH: 7.4 Preservative: 0.0975% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Cell preparation containing SIGLEC1 protein. The exact immunogen used to generate this antibody is proprietary information. Database link Q9BZZ2
Clone number	7-239
Purification technique	Size-exclusion chromatography
Epitope	Extracellular
Purification notes	Purified from TCS.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension.

Target data

See full target information SIGLEC1

Function	Macrophage-restricted adhesion molecule that mediates sialic-acid dependent binding to lymphocytes, including granulocytes, monocytes, natural killer cells, B-cells and CD8 T-cells. Plays a crucial role in limiting bacterial dissemination by engaging sialylated bacteria to promote effective phagocytosis and antigen presentation for the adaptive immune response (PubMed:12940982, PubMed:33489013). Mediates the uptake of various enveloped viruses via sialic acid recognition and subsequently induces the formation of intracellular compartments filled with virions (VCCs) (PubMed:28129379). In turn, enhances macrophage-to-T-cell transmission of several viruses including HIV-1 or SARS-CoV-2 (PubMed:28129379, PubMed:34782760). Acts as an endocytic receptor mediating clathrin dependent endocytosis. Preferentially binds to alpha-2,3-linked sialic acid (PubMed:12940982). Binds to SPN/CD43 on T-cells (By similarity). May play a role in hemopoiesis. Plays a role in the inhibition of antiviral innate immune by promoting TBK1 degradation via TYROBP and TRIM27-mediated ubiquitination (PubMed:26358190). (Microbial infection) Facilitates viral cytoplasmic entry into activated dendritic cells via recognition of sialylated gangliosides pesent on viral membrane.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Store in the dark

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.

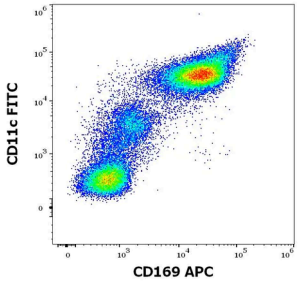
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

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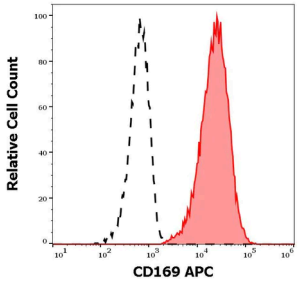
3 product images



Flow Cytometry - APC Anti-Sialoadhesin/CD169 antibody [7-239] (ab272341)

Sialoadhesin/CD169 Flow Cytometry staining using mouse Anti-Sialoadhesin/CD169 antibody

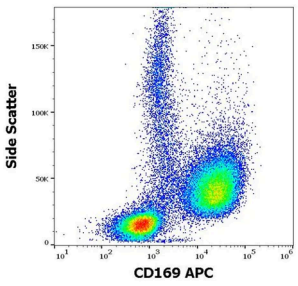
Flow cytometry multicolor surface staining of human TNF-α and INF-γ stimulated peripheral blood mononuclear cells stained using ab272341 at 10 µl reagent per milion cells in 100 µl of cell suspension and anti-human CD11c (BU15) FITC antibody (20 µl reagent / 100 µl of peripheral whole blood).



Flow Cytometry - APC Anti-Sialoadhesin/CD169 antibody [7-239] (ab272341)

Sialoadhesin/CD169 Flow Cytometry staining using mouse Anti-Sialoadhesin/CD169 antibody

Separation of human CD169 positive CD11c positive cells (red-filled) from CD169 negative CD11c negative cells (black-dashed) in flow cytometry analysis (surface staining) of human TNF-α and INF-γ stimulated peripheral blood mononuclear cells stained using ab272341 at 10 µl reagent per milion cells in 100 µl of cell suspension.



Flow Cytometry - APC Anti-Sialoadhesin/CD169 antibody [7-239] (ab272341)

Sialoadhesin/CD169 Flow Cytometry staining using mouse Anti-Sialoadhesin/CD169 antibody

Flow cytometry surface staining pattern of human TNF-α and INF-γ stimulated peripheral blood mononuclear cells stained using ab272341 at 10 µl reagent per milion cells in 100 µl of cell suspension.

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