abcam

ab200579

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

Anti-Sialoadhesin/CD169 antibody [7-239] conjugated to PE - 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	PE
Excitation/Emission	Ex: 480;565nm, Em: 578nm
Storage buffer	pH: 7.4 Preservative: 0.098% Sodium azide Constituents: PBS, 0.2% BSA
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
Purification notes	ab200579 is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	10 ul / 100 ul of whole blood.

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	Avoid freeze / thaw cycle, 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

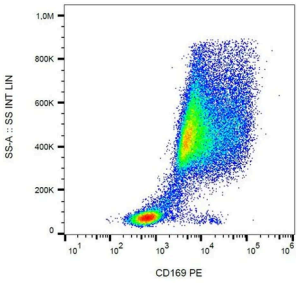
We do not recommend this combination. It is not covered by our product promise.

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.

1 product image



Flow Cytometry - PE Anti-Sialoadhesin/CD169 antibody [7-239] (ab200579)

Sialoadhesin/CD169 Flow Cytometry staining of Buffy coat differentiated monocytes using mouse Anti-Sialoadhesin/CD169 antibody

Flow cytometry analysis (surface staining) of CD169 on buffy coat differentiated monocytes stained by anti-CD169 (7-239) PE. 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension.

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