

CD169 (Siglec-1) Monoclonal Antibody (7-239), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Non-human primate, Human, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	7-239
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10854878

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	2 Publications

Product Specific Information

Description: This 7-239 monoclonal antibody reacts with human CD169, also known as Siglec-1 and Sialoadhesin. This type I transmembrane protein is a member of the sialic acid binding Ig-like lectin (Siglec) family. Expressed on macrophages and dendritic cells in peripheral blood, lymph nodes, and spleen in humans, CD169 binds glycoproteins and glycolipids containing N-acetylneuraminy alpha 2-3-galactose. CD169 expression can also be induced on CD14+ monocytes by interferon-alpha and interferon-gamma to mediate HIV-1 infection. Finally, CD169 has also been shown to be involved in antigen presentation to invariant NK T cells.

This monoclonal antibody has been reported to inhibit erythrocyte binding to CD169-expressing cells.

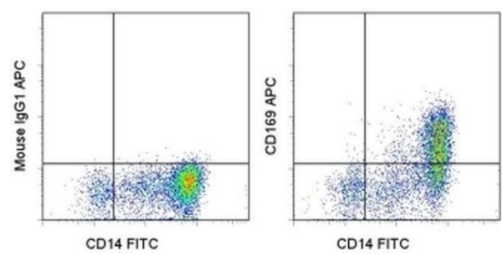
Applications Reported: This 7-239 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 7-239 antibody has been pre-titrated and tested by flow cytometric analysis of cultured human peripheral blood cells. This can be used at 5 µL (0.06 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD169 (Siglec-1) Monoclonal Antibody (7-239), APC, eBioscience™



CD169 (Siglec-1) Antibody (17-1699-42) in Flow
Staining of 3-day cultured normal human peripheral blood cells with Anti-Human CD14 FITC (Product # 11-0149-42) and Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD169 (Siglec-1) APC (right). Cells in the monocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

2 References

Flow Cytometry (2)

Respiratory research

Decreased expression of a phagocytic receptor Siglec-1 on alveolar macrophages in chronic obstructive pulmonary disease.

"Published figure using CD169 (Siglec-1) monoclonal antibody (Product # 17-1699-42) in Flow Cytometry"

Authors: Tanno A,Fujino N,Yamada M,Sugiura H,Hirano T,Tanaka R,Sano H,Suzuki S,Okada Y,Ichinose M

Year

2020

PloS one

Phenotypic and Functional Characterization of Monoclonal Antibodies with Specificity for Rhesus Macaque CD200, CD200R and Mincle.

"Published figure using CD169 (Siglec-1) monoclonal antibody (Product # 17-1699-42) in Flow Cytometry"

Authors: Byrareddy SN,Little D,Mayne AE,Villinger F,Ansari AA

Year

2016

Species

Human
Rhesus monkey
Non-human primate

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