

CD169 (Siglec-1) Monoclonal Antibody (7-239), Super Bright™ 600, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 600, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	7-239
Conjugate	Super Bright™ 600
Excitation/Emission Max	414/601 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2734892

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	-

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-acetylneuraminyl 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 normal human peripheral blood cells. This can be used at 5 µL (0.125 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.

Super Bright 600 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 600 nm. We recommend using a 610/20 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet

for Super Bright Staining Buffer for more information.

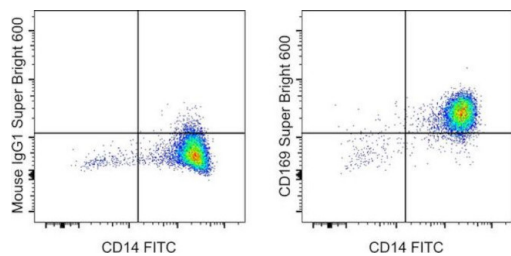
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 μ L of cell sample + 100 μ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorochrome performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; **Emission:** 600 nm; **Laser:** Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD169 (Siglec-1) Monoclonal Antibody (7-239), Super Bright™ 600, eBioscience™



CD169 (Siglec-1) Antibody (63-1699-42) in Flow

Staining of 3-day cultured normal human peripheral blood cells with CD14 Monoclonal Antibody, FITC (Product # 11-0149-42) and Mouse IgG1 kappa Isotype Control, Super Bright 600 (Product # 63-4714-82) (left) or CD169 (Siglec-1) Monoclonal Antibody, Super Bright 600 (right). Cells in the monocyte gate were used for analysis.

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