

CD169 (Siglec-1) Monoclonal Antibody (SER-4), Alexa Fluor™ 488, eBioscience™

Product Details

Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Alexa Fluor™ 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SER-4
Conjugate	Alexa Fluor™ 488
Excitation/Emission Max	499/520 nm
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2811865

Applications

Tested Dilution

Publications

Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	1.0 µg/test	3 Publications

Product Specific Information

Description: The SER-4 monoclonal antibody reacts with mouse CD169, which is also known as Sialoadhesin and Siglec-1. CD169 is a 185-kDa member of the Siglec family of adhesion and endocytic receptors that recognize sialylated glycans. This receptor is expressed on a subset of macrophages that are found with high frequency in the spleen, liver, lymph node, and bone marrow. CD169 can also be detected on monocytes in the bone marrow and periphery. This receptor plays a role in cell-cell adhesion, as well as internalization of sialylated virus and bacteria. This endocytic pathway allows CD169+ macrophages to present lipid antigens to iNKT cells, thereby leading to their activation. Studies have also demonstrated direct interaction of CD169 with regulatory T cells inhibits their proliferation.

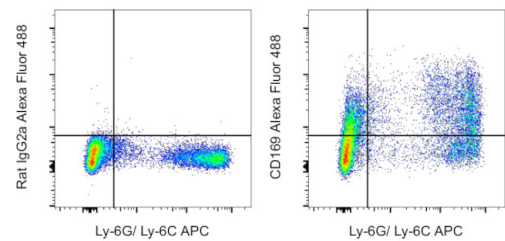
The SER-4 antibody has been reported to have antagonist activity.

Applications Reported: This SER-4 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This SER-4 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This may be used at less than or equal to 1.0 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; **Emission:** 519 nm; **Laser:** Blue Laser

Product Images For CD169 (Siglec-1) Monoclonal Antibody (SER-4), Alexa Fluor™ 488, eBioscience™



CD169 (Siglec-1) Antibody (53-5755-82) in Flow
C57BL/6 mouse bone marrow cells were stained with Ly-6G/ Ly-6C Monoclonal Antibody, APC (Product # 17-5931-82) and 1.0 µg of Rat IgG2a kappa Isotype Control, Alexa Fluor 488 (Product # 53-4321-80) (left) or 1.0 µg of CD169 Monoclonal Antibody, Alexa Fluor 488 (right). Total viable cells were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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4 References

Immunohistochemistry (1)

<p>The Journal of experimental medicine</p> <p>Tissue-resident macrophages in omentum promote metastatic spread of ovarian cancer.</p> <p>"Published figure using CD169 (Siglec-1) monoclonal antibody (Product # 53-5755-82) in Flow Cytometry"</p> <p>Authors: Etzerodt A,Moulin M,Doktor TK,Delfini M,Mossadegh-Keller N,Bajenoff M,Sieweke MH,Moestrup SK,Auphan-Anezin N,Lawrence T</p>	<p>Year</p> <p>2020</p>
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Flow Cytometry (3)

<p>Theranostics</p> <p>Abraxane-induced bone marrow CD11b⁺ myeloid cell depletion in tumor-bearing mice is visualized by PET-CT with ⁶⁴Cu-labeled anti-CD11b and prevented by anti-CSF-1.</p> <p>"Published figure using CD169 (Siglec-1) monoclonal antibody (Product # 53-5755-82) in Flow Cytometry"</p> <p>Authors: Cao Q,Huang Q,Wang YA,Li C</p>	<p>Year</p> <p>2021</p>
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<p>The Journal of experimental medicine</p> <p>Tissue-resident macrophages in omentum promote metastatic spread of ovarian cancer.</p> <p>"Published figure using CD169 (Siglec-1) monoclonal antibody (Product # 53-5755-82) in Flow Cytometry"</p> <p>Authors: Etzerodt A,Moulin M,Doktor TK,Delfini M,Mossadegh-Keller N,Bajenoff M,Sieweke MH,Moestrup SK,Auphan-Anezin N,Lawrence T</p>	<p>Year</p> <p>2020</p>
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