ARG42302
anti-CD169 / Siglec 1 antibody [7-239] (APC)

Package: 50 tests
Store at: 4°C

Summary

Product Description	APC-conjugated Mouse Monoclonal antibody [7-239] recognizes CD169 / Siglec 1
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The mouse monoclonal antibody 7-239 recognizes an extracellular epitope of CD169 (sialoadhesin, Siglec-1), a 210 kDa type I transmembrane glycoprotein expressed on macrophages and dendritic cells.
Host	Mouse
Clonality	Monoclonal
Clone	7-239
Isotype	IgG1
Target Name	CD169 / Siglec 1
Species	Human
Immunogen	Human rhinovirus 14-infected monocyte-derived dendritic cells.
Conjugation	APC
Alternate Names	CD169; Siglec-1; dJ1009E24.1; Sialic acid-binding Ig-like lectin 1; SIGLEC-1; CD antigen CD169; SN; Sialoadhesin

Application Instructions

Application table

Application	Dilution
FACS	10 µl / 100 µl of whole blood or 10^6 cells

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

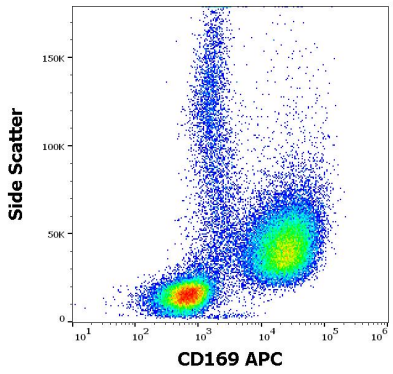
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

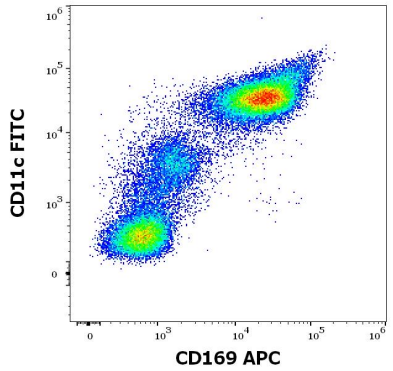
Gene Symbol	SIGLEC1
Gene Full Name	sialic acid binding Ig-like lectin 1, sialoadhesin
Background	This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a lectin-like adhesion molecule that binds glycoconjugate ligands on cell surfaces in a sialic acid-dependent manner. It is a type I transmembrane protein expressed only by a subpopulation of macrophages and is involved in mediating cell-cell interactions. Alternative splicing produces a transcript variant encoding an isoform that is soluble rather than membrane-bound; however, the full-length nature of this variant has not been determined. [provided by RefSeq, Jul 2008]
Function	Acts as an endocytic receptor mediating clathrin dependent endocytosis. Macrophage-restricted adhesion molecule that mediates sialic-acid dependent binding to lymphocytes, including granulocytes, monocytes, natural killer cells, B-cells and CD8 T-cells. Preferentially binds to alpha-2,3-linked sialic acid (By similarity). Binds to SPN/CD43 on T-cells (By similarity). May play a role in hemopoiesis. [UniProt]
Calculated Mw	183 kDa
Cellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted. [UniProt]

Images



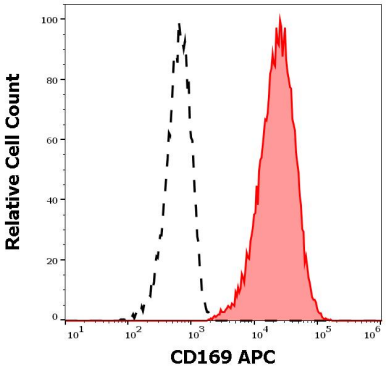
ARG42302 anti-CD169 / Siglec 1 antibody [7-239] (APC) FACS image

Flow Cytometry: Human TNF alpha and INF gamma stimulated peripheral blood mononuclear cells stained with ARG42302 anti-CD169 / Siglec 1 antibody [7-239] (APC) at 10 µl / 10^6 cells in 100 µl of cell suspension.



ARG42302 anti-CD169 / Siglec 1 antibody [7-239] (APC) FACS image

Flow Cytometry: Human TNF alpha and INF gamma stimulated peripheral blood mononuclear cells stained with ARG42302 anti-CD169 / Siglec 1 antibody [7-239] (APC) at 10 µl / 10^6 cells in 100 µl of cell suspension and ARG62720 anti-CD11c antibody [BU15] (FITC) at 20 µl / 100 µl of peripheral whole blood.



ARG42302 anti-CD169 / Siglec 1 antibody [7-239] (APC) FACS image

Flow Cytometry: Separation of Human CD169 positive CD11c positive cells (red-filled) from CD169 negative CD11c negative cells (black-dashed). Human TNF alpha and INF gamma stimulated peripheral blood mononuclear cells stained with ARG42302 anti-CD169 / Siglec 1 antibody [7-239] (APC) at 10 µl / 10^6 cells in 100 µl of cell suspension.