

## ARG65404 anti-CD169 / Siglec 1 antibody [7-239]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [7-239] recognizes CD169 / Siglec 1
Tested Reactivity	Hu
Tested Application	FACS, FuncSt, IHC-Fr, IP, WB
Specificity	The mouse monoclonal antibody 7239 recognizes CD169 (sialoadhesin, Siglec1), 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	Un-conjugated
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	1 - 4 µg/ml
	FuncSt	Assay-dependent
	IHC-Fr	Assay-dependent
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	Functional studies: Inhibition of erythrocyte rosetting with cells expressing CD169. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from hybridoma culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide

Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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

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Database links	<a href="#">GeneID: 6614 Human</a> <a href="#">Swiss-port # Q9BZZ2 Human</a>
Gene Symbol	SIGLEC1
Gene Full Name	sialic acid binding Ig-like lectin 1, sialoadhesin
Background	CD169, also known as Siglec-1 or sialoadhesin, is a type I transmembrane glycoprotein of the sialic acid binding Ig-like lectin family. It binds to sialylated glycoproteins on various haematopoietic cells to mediate cell-cell interactions. CD169 is expressed on a subset of macrophages and dendritic cells. On CD14+ monocytes its expression can be induced by interferon alpha and gamma. High expression of CD169 is observed in the spleen, lymph nodes, bone marrow, and under inflammatory conditions rheumatoid arthritis and atherosclerosis, lower in the liver, lungs and gut. It has been shown to be involved in antigen presentation to invariant NKT cells, which play an important role in the innate arm of the immune system to modulate the subsequent acquired immune responses.
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]
Research Area	Immune System antibody; Microbiology and Infectious Disease antibody
Calculated Mw	183 kDa