

Datasheet for ABIN6940605

anti-Sialoadhesin/CD169 antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Sialoadhesin/CD169 (SIGLEC1)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Sialoadhesin/CD169 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Fc fusion protein containing N-terminal 4 domains of human sialoadhesin.
Clone:	HSn 7D2
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Sialoadhesin/CD169 (SIGLEC1)
Alternative Name:	SIGLEC1 (SIGLEC1 Products)
Background:	Two families of mammalian lectin-like adhesion molecules, the selectins and the sialoadhesins,

Target Details

bind glycoconjugate ligands in a sialic acid-dependent manner. The sialic acid-binding immunoglobulin superfamily lectins, designated siglecs or sialoadhesins, are immunoglobulin superfamily members that recognize sialylated ligands. The common sialic acids of mammalian cells are N-acetylneuraminic acid (Neu5Ac) and N-glycolylneuraminic acid (Neu5Gc). The human Siglec-1 gene maps to chromosome 20p13 and encodes a 1,709 amino acid protein, also known as CD169. Alternative splicing of the Siglec-1 gene produces a variant, encoding a type I transmembrane protein isoform that is soluble rather than membrane-bound. Studies have shown human Siglec-1 has greater affinity for Neu5Ac over Neu5Gc. Siglec-1 is a sialic acid-binding receptor that is expressed in hemopoietic cells. It mediates local cell-cell interactions in lymphoid tissues and can be detected at contact points of macrophages with other macrophages, sinus-lining cells and reticulum cells.

Molecular Weight:	185kDa
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Gene ID:	6614
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Application Details

Application Notes:	Positive Control: Human spleen, human peripheral blood monocytes or MCF7 cell. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Western Blot (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
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Restrictions:	For Research Use only
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Handling

Concentration:	200 µg/mL
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Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
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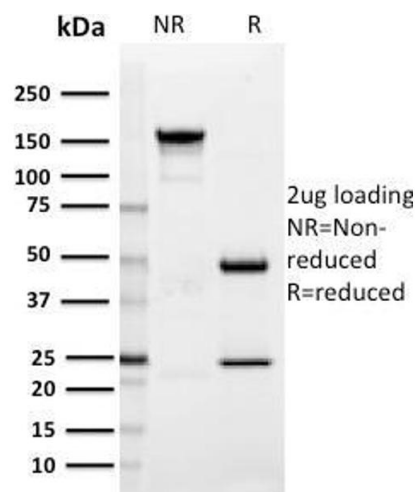
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-80 °C
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Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
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Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified SIGLEC1 / CD169 Mouse Monoclonal Antibody (HSn 7D2). Confirmation of Integrity and Purity of Antibody.