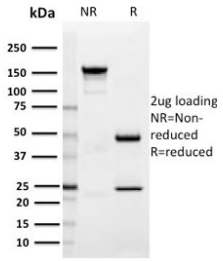
SIGLEC1 Antibody / CD169 / Sialoadhesin [clone HSn 7D2] (V8084)

Catalog No.	Formulation	Size
V8084-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8084-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8084SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	HSn 7D2
Purity	Protein G affinity chromatography
UniProt	Q9ZZ2
Localization	Cell membrane, secreted
Applications	Flow Cytometry : 1-2ug/10^6 cells in 0.1ml Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This SIGLEC1 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free SIGLEC1 antibody (clone HSn 7D2) as confirmation of integrity and purity.

Description

Two families of mammalian lectin-like adhesion molecules, the selectins and the sialoadhesins, 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.

Application Notes

Optimal dilution of the SIGLEC1 antibody should be determined by the researcher.

Immunogen

An Fc fusion protein containing N-terminal 4 domains of human sialoadhesin was used as the immunogen for this SIGLEC1 antibody.

Storage

Store the SIGLEC1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).