

36-3164: Anti-SIGLEC1 / CD169 / Sialoadhesin Monoclonal Antibody(Clone: HSn 7D2)

Clonality :	Monoclonal
Clone Name :	HSn 7D2
Application :	FACS,IF,WB,IHC
Reactivity :	Human
Gene :	SIGLEC1
Gene ID :	6614
Uniprot ID :	Q9ZZ2
Alternative Name :	CD169; CD169 antigen; Sialic acid binding immunoglobulin like lectin 1; Sialic acid-binding Ig-like lectin 1; Sialoadhesin; Siglec-1; SN
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Fc fusion protein containing N-terminal 4 domains of human sialoadhesin.

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	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.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

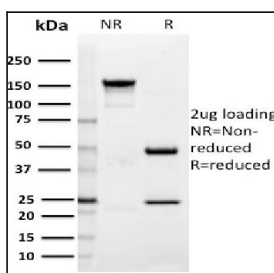


Fig. 1: SDS-PAGE Analysis Purified SIGLEC1 / CD169 Mouse Monoclonal Antibody (HSn 7D2). Confirmation of Integrity and Purity of Antibody.