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Datasheet for ABIN6719887

**Sialoadhesin/CD169 ELISA Kit**

## Overview

Quantity:	1 kit
Target:	Sialoadhesin/CD169 (SIGLEC1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CD169, CD169 antigen, dJ1009E24.1, DKFZp667F058, FLJ00051, FLJ00055, FLJ00073, FLJ00411, FLJ32150, Sialic acid binding Ig like lectin 1, Sialic acid binding immunoglobulin like lectin 1, Sialic acid-binding Ig-like lectin 1, Sialoadhesin, Siglec 1, Siglec-1, Siglec1, SN, SN_HUMAN</p> <p>Background: SIGLEC-1, also known as Sialoadhesin or CD169, is a cell adhesion molecule found on the surface of certain cells of the immune system called macrophages. This gene is mapped to 20p13. It belongs to the immunoglobulin superfamily(IgSF). Since sialoadhesin binds sialic</p>

## Product Details

acids with its N-terminal IgV-domain, it is also a member of the SIGLEC family. The localization and expression of SIGLEC-1 in humans has altered coincident with the evolutionary loss of Neu5Gc. SIGLEC-1-positive macrophages have a dual physiologic function. They act as innate 'flypaper' by preventing the systemic spread of lymph-borne pathogens and as critical gatekeepers at the lymph-tissue interface that facilitate the recognition of particulate antigens by B cells and initiate humoral immune responses.

Gene Name: SIGLEC1

Production: Natural and recombinant human CD169. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S20-Q1641

## Target Details

Target:	Sialoadhesin/CD169 (SIGLEC1)
Alternative Name:	CD169 - SIGLEC-1 ( <a href="#">SIGLEC1 Products</a> )
Gene ID:	6614
NCBI Accession:	<a href="#">NP_075556</a>
UniProt:	<a href="#">Q9BZZ2</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human CD169 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human CD169 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 156pg/mL-10,000pg/mL</p> <p>Other Performance Data: DOE: 2-8° C -07/09/18 -20° C -01/10/19</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

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Storage:	RT, 4 °C, -20 °C
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Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
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