

Mouse CD169/SIGLEC-1 ELISA Kit | SIGLEC1 elisa kit

Mouse CD169/SIGLEC-1 PicoKine ELISA Kit

CATALOG #
AAA45779

REACTIVITY
Mouse

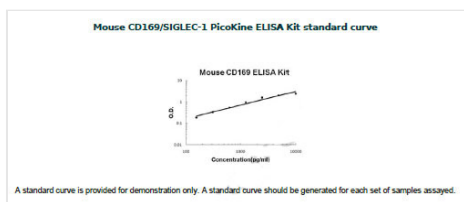
PRODUCT SYNONYMS

CD169/SIGLEC-1; Mouse CD169/SIGLEC-1 PicoKine ELISA Kit; Sialoadhesin; sialic acid binding Ig-like lectin 1; sialoadhesin; 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; Siglec 1; Siglec-1; Siglec1; SN; SN_HUMAN; SIGLEC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Siglec1
Sequence Length	1695
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIGLEC1 elisa kit	Principle of the Assay: The Picokine™ Mouse Siglec1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Siglec1 with a 96-well strip plate that is pre-coated with antibody specific for Siglec1. The detection antibody is a biotinylated antibody specific for Siglec1. The capture antibody is monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Siglec1 with immunogen: Expression system for standard: NSO; Immunogen sequence: T20-R1639. The kit is analytically validated with ready to use reagents. To measure Mouse Siglec1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or BS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Siglec1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Siglec1 in the sample. Background/Introduction: 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 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.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	347595712
NCBI GeneID	20612
UniProt Accession #	Q62230; O55216; Q62228; Q62229; D3YVZ3; D3YVZ4
Molecular Weight	172,769 Da
NCBI Official Full Name	Sialoadhesin
NCBI Official Synonym Full Names	sialic acid binding Ig-like lectin 1, sialoadhesin
NCBI Official Symbol	Siglec1
NCBI Official Synonym Symbols	Sn; Cd169; Siglec-1
NCBI Protein Information	sialoadhesin; SER; sheep erythrocyte receptor; sialic acid-binding Ig-like lectin 1
UniProt Protein Name	Sialoadhesin
UniProt Gene Name	Siglec1
UniProt Synonym Gene Names	Sa; Sn; SER; Siglec-1
UniProt Entry Name	SN_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/siglec1-mouse-elisa-kits/cd169-siglec-1/45779>