

Human CD169 ELISA Kit | SIGLEC1 elisa kit

Human CD169 ELISA Kit

CATALOG # AAA261746	REACTIVITY Human	APPLICATIONS ELISA
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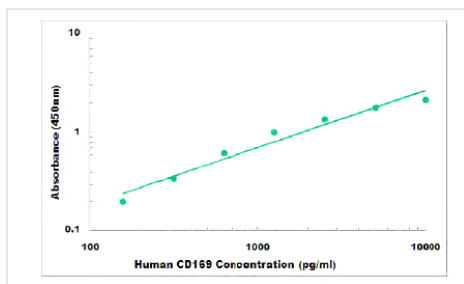
PRODUCT SYNONYMS

CD169; Human CD169 ELISA Kit; SN; Sialoadhesin; Sialic acid-binding Ig-like lectin 1; Siglec-1; SIGLEC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CD169 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD169 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	1709
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	10 pg/ml.
Applicable Applications for SIGLEC1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SIGLEC1 elisa kit	Principle of the Assay The Human CD169 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD169 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human CD169 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD169 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD169 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD169 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18202745
NCBI GeneID	6614
UniProt Accession #	Q9BZZZ; Q96DL4; Q9GZS5; Q9H1H6; Q9H1H7; Q9H7L7
Molecular Weight	181,733 Da
NCBI Official Full Name	Sialoadhesin
NCBI Official Synonym Full Names	sialic acid binding Ig like lectin 1
NCBI Official Symbol	SIGLEC1
NCBI Official Synonym Symbols	SN; CD169; SIGLEC-1; dJ1009E24.1
NCBI Protein Information	sialoadhesin
UniProt Protein Name	Sialoadhesin
UniProt Gene Name	SIGLEC1
UniProt Synonym Gene Names	SN; Siglec-1
UniProt Entry Name	SN_HUMAN

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.