ARG81881
Mouse CD169 / Siglec 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81881-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81881-002	Standard	2 X 10 ng/vial	4°C
ARG81881-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81881-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81881-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81881-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81881-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81881-008	25X Wash buffer	20 ml	4°C
ARG81881-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81881-010	STOP solution	10 ml (Ready to use)	4°C
ARG81881-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81881 Mouse CD169 / Siglec 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD169 / Siglec 1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD169 / Siglec 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.5%; Inter-Assay CV: 7.6%
Alternate Names	CD169; Siglec-1; dJ1009E24.1; Sialic acid-binding Ig-like lectin 1; SIGLEC-1; CD antigen CD169; SN; Sialoadhesin

Application Instructions

Assay Time	~ 5 hours

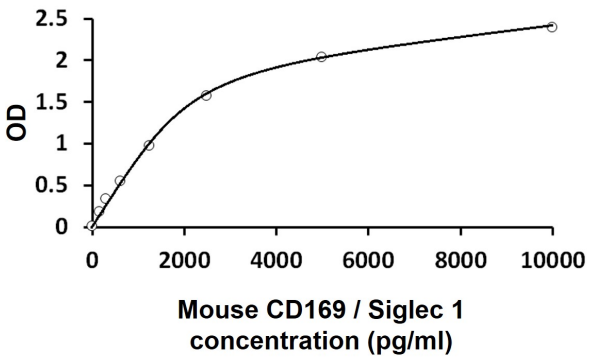
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SIGLEC1
Gene Full Name	sialic acid binding Ig-like lectin 1, sialoadhesin
Background	This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a lectin-like adhesion molecule that binds glycoconjugate ligands on cell surfaces in a sialic acid-dependent manner. It is a type I transmembrane protein expressed only by a subpopulation of macrophages and is involved in mediating cell-cell interactions. Alternative splicing produces a transcript variant encoding an isoform that is soluble rather than membrane-bound; however, the full-length nature of this variant has not been determined. [provided by RefSeq, Jul 2008]
Function	Acts as an endocytic receptor mediating clathrin dependent endocytosis. Macrophage-restricted adhesion molecule that mediates sialic-acid dependent binding to lymphocytes, including granulocytes, monocytes, natural killer cells, B-cells and CD8 T-cells. Preferentially binds to alpha-2,3-linked sialic acid (By similarity). Binds to SPN/CD43 on T-cells (By similarity). May play a role in hemopoiesis. [UniProt]
Highlight	Related products: CD169 antibodies; CD169 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81881 Mouse CD169 / Siglec 1 ELISA Kit standard curve image

ARG81881 Mouse CD169 / Siglec 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.