

Mouse CD169,SIGLEC-1 ELISA Kit

Catalog No: #EK5590



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Description

Product Name	Mouse CD169,SIGLEC-1 ELISA Kit
Specificity	Mouse
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,T20-R1639
Other Names	Sialoadhesin; Sheep erythrocyte receptor; SER; Sialic acid-binding Ig-like lectin 1; Siglec-1; CD169; Siglec1; Sa, Sn;
Accession No.	Q62230
Uniprot	Q62230
GeneID	20612;
Cell Localization	Isoform 1: Cell membrane; Single-pass type Imembrane protein.

Application Details

sensitivity:10pg mlDetect Range:156pg ml-10 000pg ml
sample_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).
capture_antibody:monoclonal antibody from ratdetection_antibody:polyclonal antibody from goat
gene_name:SIGLEC1protein_name:Sialoadhesingene_full_name:Sialoadhesintissue_specificity: Detected in lymph node in the subcapsularsinus interfollicular regions and T and B-cell boundary (atprotein level). Expressed by macrophages in various tissues.Highest expression in spleen and lymph node with lower amounts inlung liver bone marrow heart and skin. No expression in thymus kidney brain or small intestine..
sequence_similarities:Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family. tmb_incubation:20-25minresearch_category:immunology|innate immunity|macrophage / inflamm.|tags & cell markers|cell type markers|neuroscience markers|glial cell types

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse CD169,SIGLEC-1

Background

protein_function: Acts as an endocytic receptor mediating clathrindependent endocytosis. Macrophage-restricted adhesion moleculethat mediates sialic-acid dependent binding to lymphocytes,including granulocytes, monocytes, natural killer cells, B-cellsand CD8 T-cells (By similarity). Preferentially binds to alpha-2,3-linked sialic acid. Binds to SPN,CD43 on T-cells. May play arole in hematopoiesis. May act as a counter-receptor for CLEC10Ain lymph node..
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.

Note: This product is for in vitro research use only