

Human Siglec5 ELISA Kit

Catalog No: #EK5757



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Description

Product Name	Human Siglec5 ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,E17-L441
Other Names	Sialic acid-binding Ig-like lectin 5; Siglec-5; CD33 antigen-like 2; Obesity-binding protein 2; OB-BP2; OB-binding protein 2; CD170; SIGLEC5; CD33L2, OBBP2;
Accession No.	O15389
Uniprot	O15389
GeneID	8778;
Cell Localization	Membrane; Single-pass type I membraneprotein.

Application Details

sensitivity:15pg mlDetect Range:46.9pg ml-3000pg ml
sample_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).
capture_antibody:monoclonal antibody from mousedetection_antibody:polyclonal antibody from goat
gene_name:SIGLEC5protein_name:Sialic acid-binding Ig-like lectin 5
gene_full_name:Sialic acid-binding Ig-like lectin 5
tissue_specificity: Expressed by monocytic myeloid lineage cells.Found at high levels in peripheral blood leukocytes spleen bonemarrow and at lower levels in lymph node lung appendix placenta pancreas and thymus. Expressed by monocytes andneutrophils but absent from leukemic cell lines representing earlystages of myelomonocytic differentiation.
sequence_similarities:tmb_incubation:25-30minresearch_category:

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human Siglec5

Background

protein_function: Putative adhesion molecule that mediates sialic-aciddependent binding to cells. Binds equally to alpha-2,3-linked andalpha-2,6-linked sialic acid. The sialic acid recognition site maybe masked by cis interactions with sialic acids on the same cellsurface.Sialic acid-binding Ig-like lectin 5 is a protein that in humans is encoded by the SIGLEC5 gene. This gene encodes a member of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. These cell surface lectins are characterized by structural motifs in the immunoglobulin (Ig)-like domains and sialic acid recognition sites in the first Ig V set domain. The encoded protein is a member of the CD33-related subset of Siglecs and inhibits the activation of several cell types including monocytes, macrophages and neutrophils. Binding of group B Streptococcus (GBS) to the encoded protein plays a role in GBS immune evasion.

Note: This product is for in vitro research use only