

Human Siglec5 ELISA Kit | SIGLEC5 elisa kit

Human Siglec5 PicoKine ELISA Kit

CATALOG #
AAA46804

REACTIVITY
Human

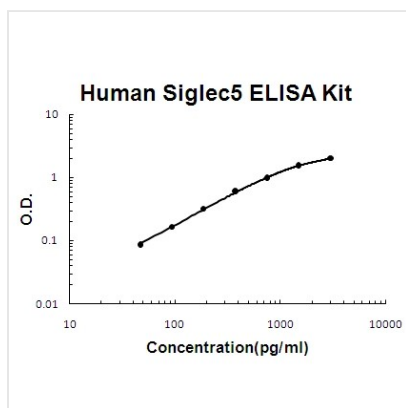
PRODUCT SYNONYMS

Siglec5; Human Siglec5 PicoKine ELISA Kit; CD170; CD170 antigen; CD33L2; OB-BP2; OBBP2; Siglec-5; Siglecf; O15389; Sialic acid-binding Ig-like lectin 5; SIGLEC5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human Siglec5
Sequence Length	551
Samples	Cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA)
Assay Type	Quantitative Sandwich
Detection Range	46.9pg/ml-3000pg/ml
Sensitivity	<15pg/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 between 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.

IMAGES



Standard Curve (Sample)

Human Siglec5 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SIGLEC5 elisa kit	Principle of the Assay: The Human Siglec5 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Siglec5 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: E17-L441) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Siglec5 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Siglec5 amount of sample captured in plate. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502659
NCBI GeneID	8778
NCBI Accession #	NP_003821.1
NCBI GenBank Nucleotide #	NM_003830.3
UniProt Accession #	O15389
Molecular Weight	60,715 Da
NCBI Official Full Name	sialic acid-binding Ig-like lectin 5
NCBI Official Synonym Full Names	sialic acid binding Ig like lectin 5
NCBI Official Symbol	SIGLEC5
NCBI Official Synonym Symbols	CD170; OBBP2; CD33L2; OB-BP2; SIGLEC-5
NCBI Protein Information	sialic acid-binding Ig-like lectin 5
UniProt Protein Name	Sialic acid-binding Ig-like lectin 5
UniProt Gene Name	SIGLEC5
UniProt Synonym Gene Names	CD33L2; OBBP2; Siglec-5; OB-BP2; OB-binding protein 2

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.