

Human Sialic acid-binding Ig-like lectin 6 (SIGLEC6) ELISA Kit



Catalog No: #EK7334

Orders: order@signalwayantibody.com

Package Size: #EK7334-1 48T #EK7334-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Sialic acid-binding Ig-like lectin 6 (SIGLEC6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CD327; CD33L; CD33L1; CDw327; OBBP1; SIGLEC-6; CD33 antigen-like 1 CDw327 antigen Obesity-binding protein 1
Accession No.	O43699
Uniprot	O43699
GeneID	946;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.057 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SIGLEC6 in samples. An antibody specific for SIGLEC6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySIGLEC6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SIGLEC6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SIGLEC6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The deduced 442-amino acid CD33L protein contains a signal peptide, an N-terminal Ig-like V-domain, and 2 adjacent Ig C2-like domains, followed by a transmembrane region and a cytoplasmic tail. Based on its predicted structure, the authors stated that CD33L belongs to the Ig superfamily and is likely a novel member of the sialoadhesin subfamily. Compared to the original cDNA, this cDNA contains a 176-bp deletion in the coding sequence, resulting in a predicted 342-amino acid protein lacking the transmembrane and cytoplasmic regions. By RT-PCR of placenta RNA, the authors detected both transcripts, although the transcript encoding the membrane-bound isoform, CD33L1, was considerably more abundant.CD33L expression only in the placenta; transcripts of 4 distinct sizes were found, including 1 that was differentially polyadenylated.

Note: This product is for in vitro research use only