

Active Recombinant Human SIGLEC6 Homodimer Protein, His tagged

Cat. No. SIGLEC6-56H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Siglec-6 protein dimer contains a Siglec-6 extracellular domain (UniProt# O43699) fused with a proprietary cis-dimer motif followed by a His tag at the C-terminus was expressed in HEK293T.

Species

Human

Source

HEK293T

ProteinLength

27-347 aa

Description

Human sialic acid-binding Ig-like lectin 6 (Siglec-6) is a Type I transmembrane protein, a member of the Siglec family, part of the immunoglobulin superfamily, and a multifunctional immune regulator. Siglec-6 is also known as Cluster of Differentiation 327 (CD327), CD33-like (CD33L), CD33L1, CD33L2, and CDW327. Siglec-6 contains an extracellular domain with an N-terminal V-type immunoglobulin domain (Ig domain) and two C2-type Ig domains followed by a transmembrane domain and cytoplasmic signaling domain consisting of the immunoreceptor tyrosine-based inhibitory motif (ITIM). Siglec-6 is expressed on trophoblasts and highly expressed on mast cells from a variety of tissues. It binds sialylated glycans on cell surfaces or secreted proteins, modulating cell-cell interactions and immune responses. The presence of Siglec-6 on various kinds of leukemias has made it an emerging target for cancer therapeutics.

Molecular Mass

87 kDa

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Purity	Greater than 90% dimer form as determined by SDS-PAGE under non-reducing condition
Application	Verified Applications: ELISA for Siglec-6-specific antibody binding assays. Suggested Applications: SPR & BLI for Siglec-6-specific antibody binding assays. Animal immunization, RUO.
Storage	Store at -80 centigrade.
Storage Buffer	0.22µm filtered PBS, pH 7.4
Shipping	Frozen Dry Ice

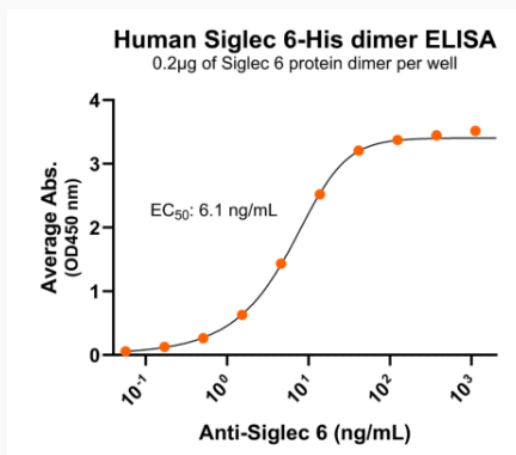
GENE INFORMATION

Gene Name	SIGLEC6 sialic acid binding Ig-like lectin 6 [Homo sapiens (human)]
Official Symbol	SIGLEC6
Synonyms	SIGLEC6; sialic acid binding Ig-like lectin 6; CD33L, CD33L1; sialic acid-binding Ig-like lectin 6; CD327; OB BP1; SIGLEC 6; CD33 antigen-like 1; obesity-binding protein 1; CD33L; OBBP1; CD33L1; CD33L2; CDW327;
Gene ID	946
mRNA Refseq	NM_001177547
Protein Refseq	NP_001171018
MIM	604405

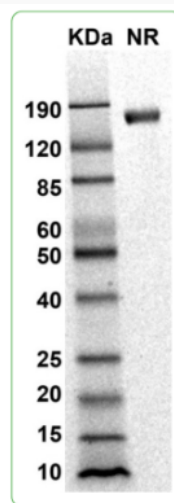
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UniProt ID
O43699
Bioactivity-Antibody Binding


Immobilized human Siglec 6 protein dimer, His Tag at 2 µg/mL (100 µL/well) can bind anti-human Siglec 6 monoclonal antibody with half maximal effective concentration (EC₅₀) range of 3.1-12.2 ng/mL (QC tested).

SDS-PAGE and WB


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MW: Molecular Weight marker reduced condition NR: Siglec 6 dimer under non-reduced condition

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