



Synonym

SIGLEC6,CD327,CD33L,CD33L1,OBBP1,OB-BP1,CDw327

Source

Human Siglec-6, Fc Tag(SI6-H5256) is expressed from human 293 cells (HEK293). It contains AA Gln 16 - Val 320 (Accession # [AAH35359](#)).

Predicted N-terminus: Gln 16

Molecular Characterization

Siglec-6(Gln 16 - Val 320) AAH35359	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 60.3 kDa. The protein migrates as 80-100 kDa under reducing (R) condition, and 130-150 kDa and 250-300 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

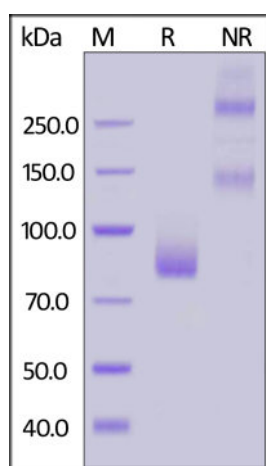
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

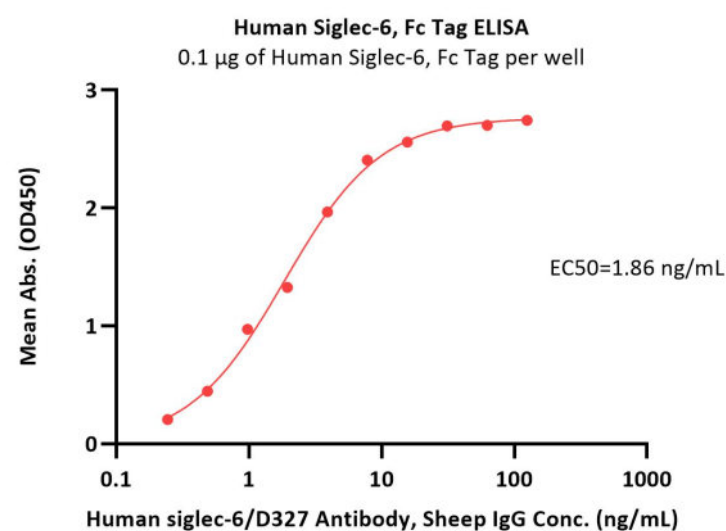
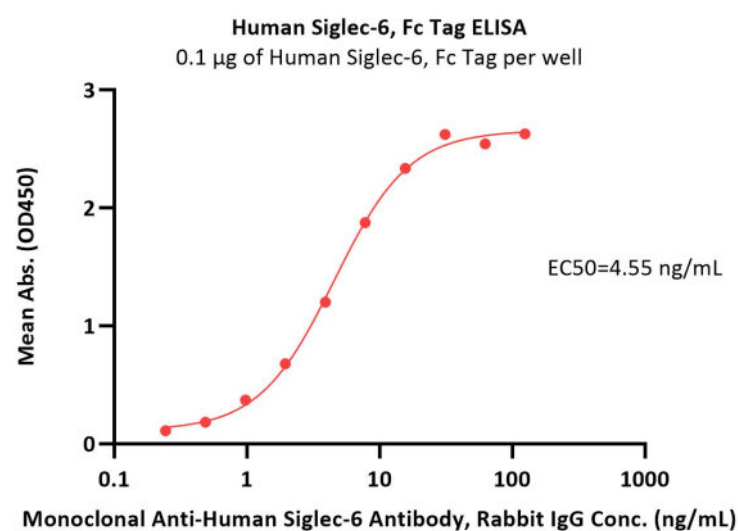


Human Siglec-6, Fc Tag on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA

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Immobilized Human Siglec-6, Fc Tag (Cat. No. SI6-H5256) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Human Siglec-6 Antibody, Rabbit IgG with a linear range of 0.2-16 ng/mL (QC tested).

Immobilized Human Siglec-6, Fc Tag (Cat. No. SI6-H5256) at 1 µg/mL (100 µL/well) can bind Human siglec-6/D327 Antibody, Sheep IgG with a linear range of 0.2-8 ng/mL (Routinely tested).

Background

Sialic acid-binding Ig-like lectin 6 (SIGLEC6) is also known as CD antigen CD327, CD33 antigen-like 1 (CD33L or CD33L1), Obesity-binding protein 1 (OB-BP1). SIGLEC6 belongs to the immunoglobulin superfamily and SIGLEC (sialic acid binding Ig-like lectin) family, which contains two Ig-like C2-type (immunoglobulin-like) domains and one Ig-like V-type (immunoglobulin-like) domain. SIGLEC6 mediates sialic-acid dependent binding to cells. SIGLEC6 binds to alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface.

Clinical and Translational Updates

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