Data Sheet (Cat.No.TMPK-00718)

TargetMol

Siglec-5 Protein, Human, Recombinant (His & Avi)

General Information

Synonyms:	CD170;CD33 antigen-like 2;OBBP2;OB-BP2;Siglec5;CD33L2
Protein Construction:	Glu17-Thr434
Species:	Human
Expression Host:	HEK293 Cells
Accession:	O15389
Molecular Weight:	49.3 kDa (predicted). Due to glycosylation, the protein migrates to 68-78 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 μm filtered solution in PBS, 360 mM NaCl (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Siglecs (sialic acid binding Ig-like lectins) are I-type (Ig-type) lectins belonging to the Ig superfamily. They are characterized by an N-terminal Ig-like V-type domain which mediates sialic acid binding, followed by varying numbers of Ig-like C2-type domains. Siglec 5 is putative adhesion molecule that mediates sialic-acid dependent binding to cells. Binds equally to alpha-2,3-linked and 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.

Reference

Macauley M S, et al. Siglec-mediated regulation of immune cell function in disease[J]. Nature Reviews Immunology, 2014, 14(10):653-666.

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