Sialic acid-binding Ig-like lectin 15/Siglec-15/CD33L3 Biotinylated Active Protein | CD33L3 active protein

Recombinant Human Sialic acid-binding Ig-like lectin 15/Siglec-15/CD33L3 (C-FC-Avi) Biotinylated

CATALOG #	HOST
AAA177944	**Human Cells**

PRODUCT SYNONYMS

Sialic acid-binding Ig-like lectin 15/Siglec-15/CD33L3 Biotinylated; Recombinant Human Sialic acid-binding Ig-like lectin 15/Siglec-15/CD33L3 (C-FC-Avi) Biotinylated; Sialic acid-binding Ig-like lectin 15; Siglec-15; CD33 antigen-like 3; CD33L3; CD33L3 active protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>90% as determined by reducing SDS-PAGE
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, 150mM NaCl, 0.3% Chaps, 5% Trehalose, pH7.4.
Sequence	Phe20-Thr2 63
Species	Human
Tag	C-Fc-Avi
Endotoxin	<1.0EU per ug as determined by the LAL method.
Protein Construction	Biotinylated Recombinant Human Sialic Acid-binding Ig-like Lectin 15 is produced by our Mammalian expression system and the target gene encoding Phe20-Thr263 is expressed with a Fc, Avi tag at the C-terminus.
Activity	Immobilized Human Siglec-15-Fc-Avi at 2ug/ml (100ul/well) can bind Anti-Human Siglec15 mAb. The ED50 of Anti-Human Siglec15 mAb is 13.7ng/ml.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES

Bioactivity

SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CD33L3 active protein	Human Siglec-15 is a transmembrane glycoprotein in the Siglec family. Siglecs are type I transmembrane proteins where the NH3+-terminus is in the extracellular space and the COO--terminus is cytosolic. Each Siglec contains an N-terminal V-type immunoglobulin domain (Ig domain) which acts as the binding receptor for sialic acid. These lectins are placed into the group of I-type lectins because the lectin domain is an immunoglobulin fold. All Siglecs are extended from the cell surface by C2-type Ig domains which have no binding activity. Siglecs differ in the number of these C2-type domains. Human Siglec-15 consists of a 244 amino acid (aa) extracellular domain (ECD) with two Ig-like domains, a 21 aa transmembrane segment, and a 44 aa cytoplasmic domain. Siglec-15 function is important for osteoclast formation and TRANCE/RANK Ligand signaling in osteoclasts.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47106069
NCBI GeneID	284266
NCBI Accession #	NP_998767
NCBI GenBank Nucleotide #	NM_213602.2
UniProt Accession #	Q6ZMC9; A8K2Y5; B4DVQ9
Molecular Weight	18,086 Da
NCBI Official Full Name	sialic acid-binding Ig-like lectin 15
NCBI Official Synonym Full Names	sialic acid binding Ig-like lectin 15
NCBI Official Symbol	SIGLEC15
NCBI Official Synonym Symbols	CD33L3; HsT1361; SIGLEC-15
NCBI Protein Information	sialic acid-binding Ig-like lectin 15; CD33 antigen-like 3; CD33 molecule-like 3
UniProt Protein Name	Sialic acid-binding Ig-like lectin 15
UniProt Gene Name	**SIGLEC15**
UniProt Synonym Gene Names	CD33L3; Siglec-15
UniProt Entry Name	SIG15_HUMAN

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.

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