Recombinant Human SIGLEC15 Protein, C-Fc-Avi tagged, Biotinylated

Cat. No. SIGLEC15-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	Phe20-Thr263
Description	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.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg)

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Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, 150mM NaCl, 0.3% Chaps, 5% Trehalose, pH 7.4.
Shipping	Ambient
Conjugation	Biotin

GENE INFORMATION

Gene Name	SIGLEC15 sialic acid binding Ig like lectin 15 [Homo sapiens (human)]
Official Symbol	SIGLEC15
Synonyms	Sialic acid-binding Ig-like lectin 15; Siglec-15; CD33 antigen-like 3; CD33L3
Gene ID	284266
mRNA Refseq	NM_213602
Protein Refseq	NP_998767
MIM	618105
UniProt ID	Q6ZMC9

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