Human Siglec-15/CD33L3 Protein, Ultra Low Endotoxin

Cat. No. SIG-HM415-UL

Description

Source	Recombinant Human Siglec-15/CD33L3 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Phe20-Thr263.
Accession	Q6ZMC9
Molecular Weight	The protein has a predicted MW of 29.5 kDa. Due to glycosylation, the protein migrates to 30-38 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.001 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

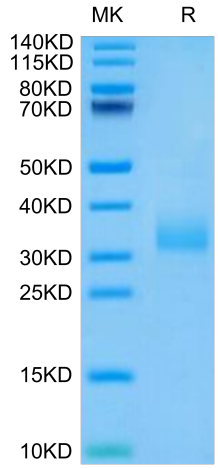
Formulation	Lyophilized from 0.22μm filtered solution in 20mM NaAC (pH 5.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in 20mM NaAC (pH 5.0). Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Siglec-15 is a transmembrane glycoprotein in the Siglec family of sialic acid-binding immune regulatory molecules. Mature human Siglec-15 consists of a 244 amino acid extracellular domain (ECD) with two Ig-like domains, a 21 aa transmembrane segment, and a 44 aa cytoplasmic domain. Siglec-15 is a potential therapeutic target for osteoporosis and plays a conserved regulatory role in the immune system of vertebrates..

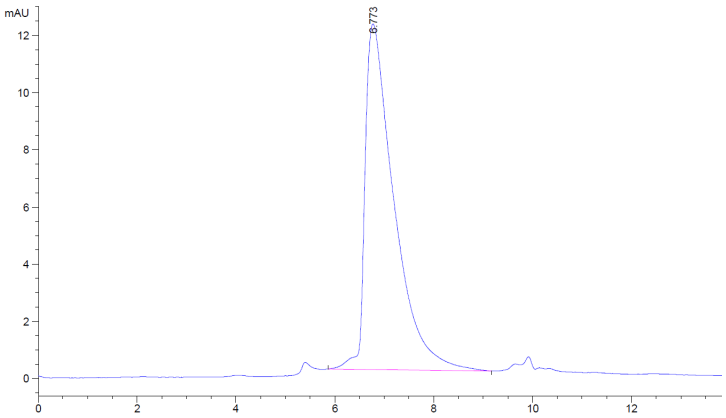
Assay Data

Bis-Tris PAGE



Human Siglec-15 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



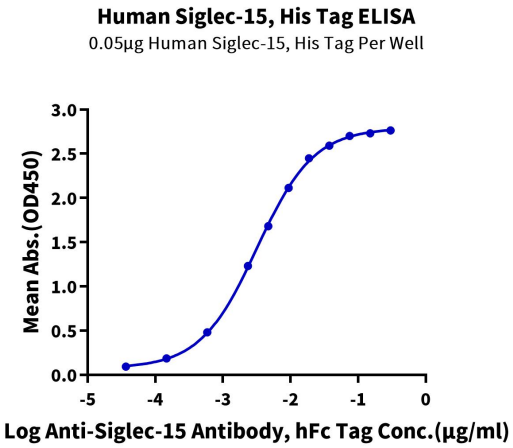
The purity of Human Siglec-15 is greater than 90% as determined by SEC-HPLC.

Human Siglec-15/CD33L3 Protein, Ultra Low Endotoxin

Cat. No. SIG-HM415-UL

Assay Data

ELISA Data



Immobilized Human Siglec-15, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-Siglec-15 Antibody, hFc Tag with the EC50 of 3.2ng/ml determined by ELISA (QC Test).