Human Siglec-15/CD33L3 Protein

Cat. No. SIG-HM215

Description

Source	Recombinant Human Siglec-15/CD33L3 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Lys24-Gly260.
Accession	Q6ZMC9-1
Molecular Weight	The protein has a predicted MW of 52.6 kDa. Due to glycosylation, the protein migrates to 53-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

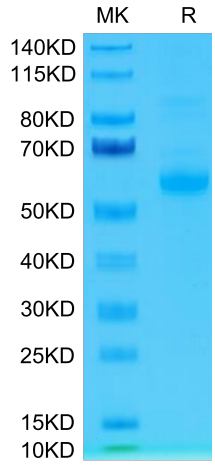
Formulation	Lyophilized from 0.22μm filtered solution in 20mM NaAC (pH 5.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in 20mM NaAC (pH 5.0).
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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.

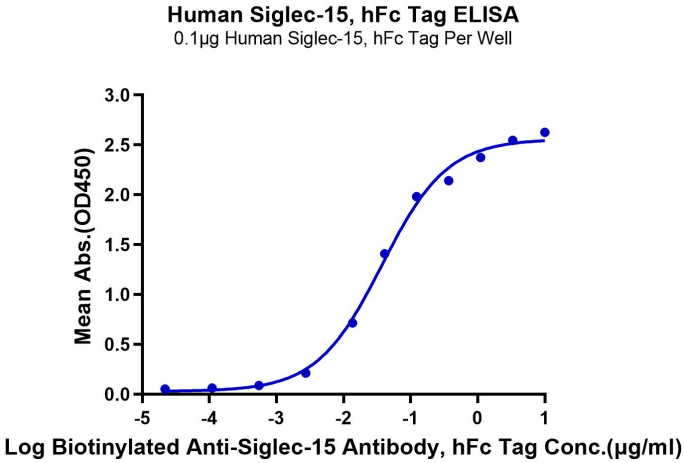
Assay Data

Tris-Bis PAGE



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

ELISA Data



Immobilized Human Siglec-15, hFc Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Anti-Siglec-15 Antibody, hFc Tag with the EC50 of 37.3ng/ml determined by ELISA.