Cynomolgus Siglec-15/CD33L3 Protein

Cat. No. SIG-CM415

Description

Source	Recombinant Cynomolgus Siglec-15/CD33L3 Protein is expressed from Expi293 with His and Avi tag at the C-terminal.
	It contains Met60-Thr322.
Accession	XP_005586866.2
Molecular Weight	The protein has a predicted MW of 29.2 kDa. Due to glycosylation, the protein migratesto 33-43 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
	> 95% as determined by HPLC

Formulation and Storage

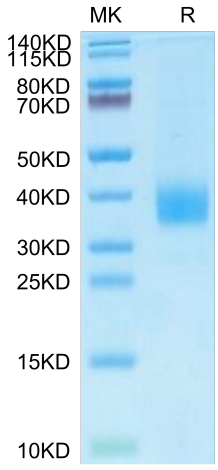
Formulation	Lyophilized from 0.22μm filtered solution in 20mM PB, 500mM NaCl, 0.1M L-arginine (pH 6.0). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in 20mM PB, 0.5M NaCl, 5% glycerol, 0.1M L-Arginine (pH 6.0).
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 avoid 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



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

SEC-HPLC

For Research Use Only

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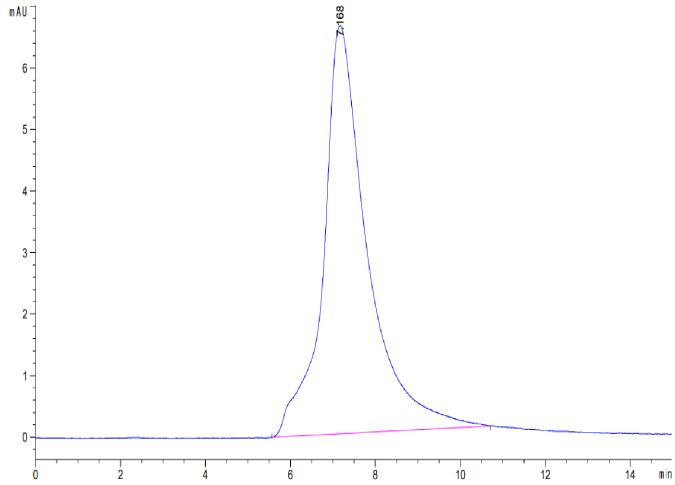
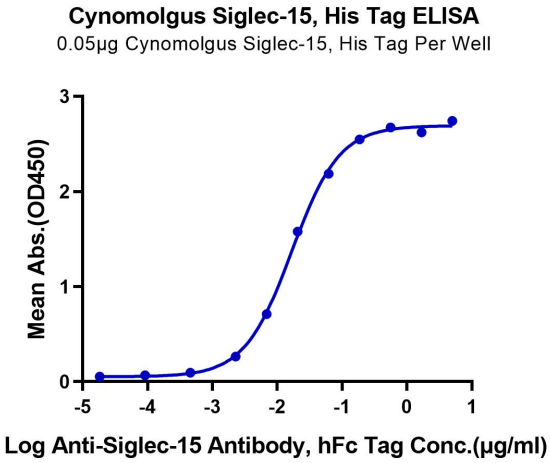
Assay Data



The purity of Cynomolgus Siglec-15 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Cynomolgus 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 16.7ng/ml determined by ELISA.

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