

Cynomolgus Siglec-10 Protein

Cat. No. SIG-CM110



Description

Source	Recombinant Cynomolgus Siglec-10 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr17-Asn552.
Accession	A0A2K5WBX8
Molecular Weight	The protein has a predicted MW of 59.90 kDa. Due to glycosylation, the protein migrates to 70-80 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 > 90% as determined by HPLC

Formulation and Storage

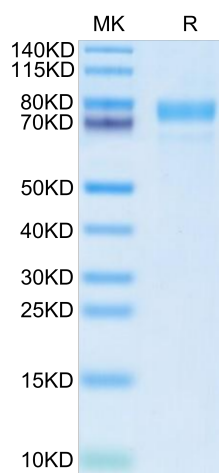
Formulation	Supplied as 0.22µm filtered solution in 25mM MES, 150mM NaCl, 0.5M Arginine (pH 5.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Siglec-10 is a ligand for CD52, the target of the therapeutic monoclonal antibody Alemtuzumab. It is also reported to bind to Vascular adhesion protein 1 (VAP-1) and to the co-stimulatory molecule CD24 also known as HSA (Heat-stable antigen). Siglecs (sialic acid binding Ig-like lectins) are I-type lectins that belong to the immunoglobulin superfamily. They are characterized by an N-terminal Ig-like V-type domain which mediates sialic acid binding, followed by a varying number of Ig-like C2-type domains. Siglecs 5-11 constitute the CD33/Siglec-3 related group, and are differentially expressed in the hematopoietic system.

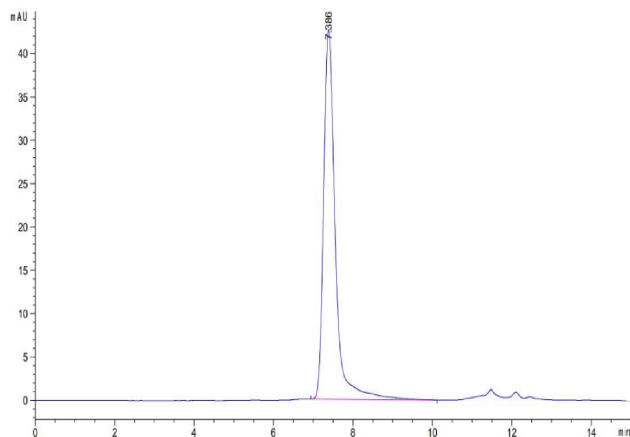
Assay Data

Tris-Bis PAGE



Cynomolgus Siglec-10 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



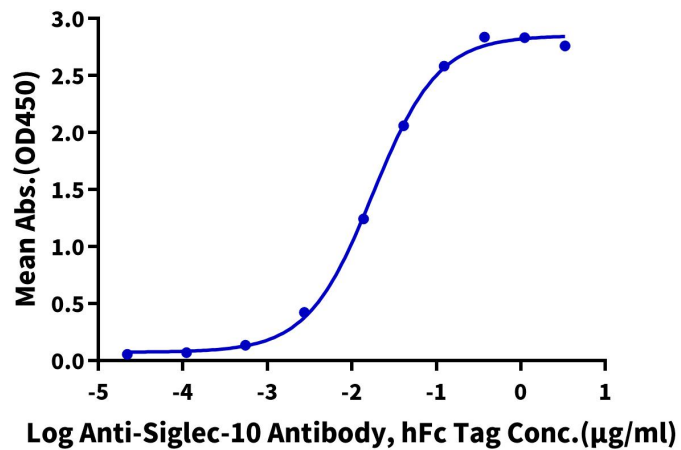
The purity of Cynomolgus Siglec-10 is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus Siglec-10, His Tag ELISA

0.2µg Cynomolgus Siglec-10, His Tag Per Well



Immobilized Cynomolgus Siglec-10, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-Siglec-10 Antibody, hFc Tag with the EC50 of 17.7ng/ml determined by ELISA.