Cynomolgus Siglec-10 Protein

Cat. No.   SIG-CM110

KACTUS

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 Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris 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.
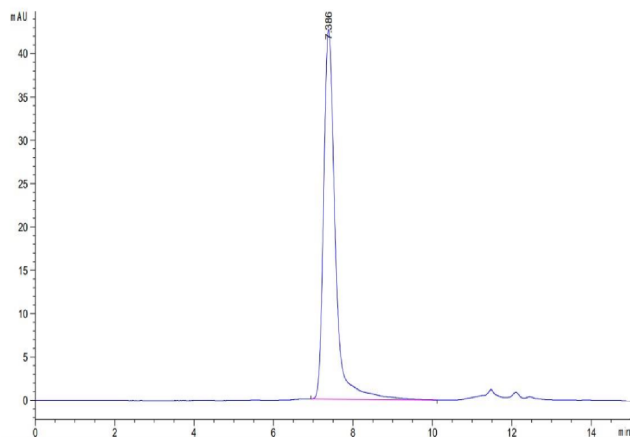
Assay Data

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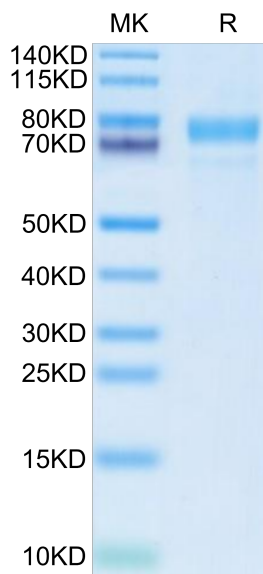
Cynomolgus Siglec-10 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.
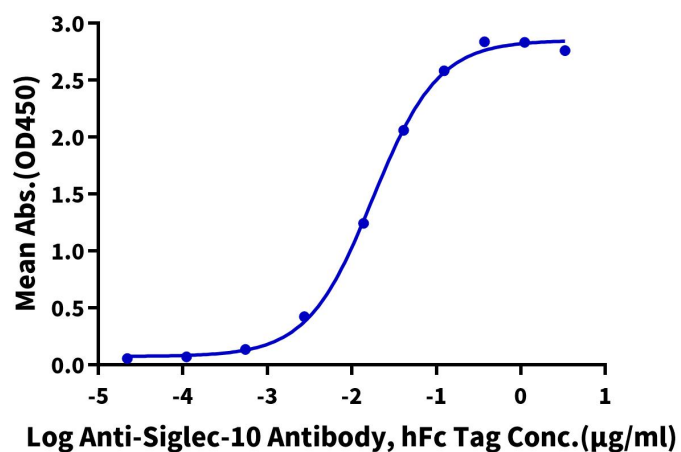
SEC-HPLC

Assay Data

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

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.