Rhesus macaque Siglec-2/CD22 Protein

Cat. No. SIG-CM122

Description

Source	Recombinant Rhesus macaque Siglec-2/CD22 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ser20-Arg686.
Accession	EHH29920.1
Molecular Weight	The protein has a predicted MW of 76.14 kDa. Due to glycosylation, the protein migrates to 100-120 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

Formulation and Storage

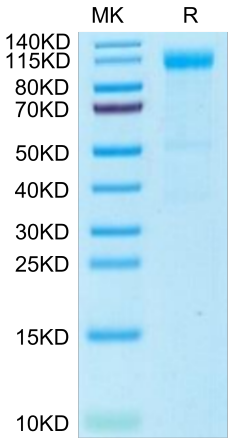
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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

CD22, or cluster of differentiation-22, is a molecule belonging to the SIGLEC family of lectins. It is found on the surface of mature B cells and to a lesser extent on some immature B cells. CD22 a member of the immunoglobulin superfamily. CD22 functions as an inhibitory receptor for B cell receptor (BCR) signaling. It is also involved in the B cell trafficking to Peyer's patches in mice.

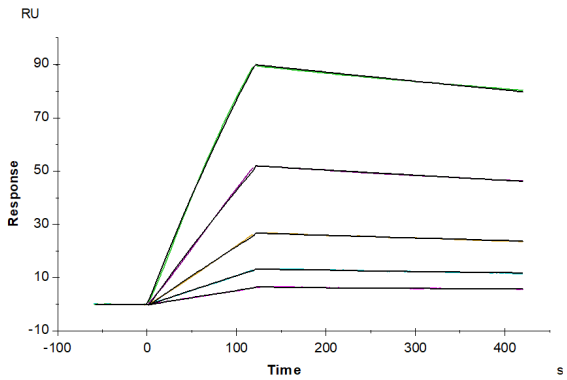
Assay Data

Bis-Tris PAGE



Rhesus macaque Siglec-2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SPR Data



Anti-Siglec-2 Antibody captured on CM5 Chip via Protein A can bind Rhesus macaque siglec-2, His Tag with an affinity constant of 0.92 μM as determined in SPR assay (Biacore T200).