Cynomolgus NCAM-1/CD56 Protein

Cat. No. CAM-CM156

Description

Source	Recombinant Cynomolgus NCAM-1/CD56 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Leu20-Gly718.
Accession	XP_005579710.1
Molecular Weight	The protein has a predicted MW of 78.46 kDa. Due to glycosylation, the protein migrates to 95-115 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

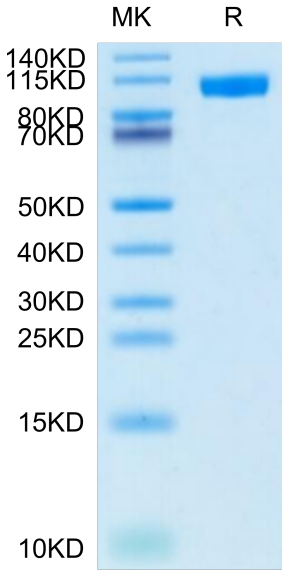
Formulation	Lyophilized from 0.22 μm filtered solution in 20mM Tris, 150mM NaCl (pH 8.0). Normally 8% mannitol is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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

Neural Cell Adhesion Molecule 1 (NCAM-1), a multifunctional member of the immunoglobulin superfamily, is expressed on the surface of neurons, glia, skeletal muscle, and natural killer cells. NCAM-1 has been implicated as having a role in cell-cell adhesion, involved in development of the nervous system, and for cells involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance.

Assay Data

Bis-Tris PAGE



Cynomolgus NCAM-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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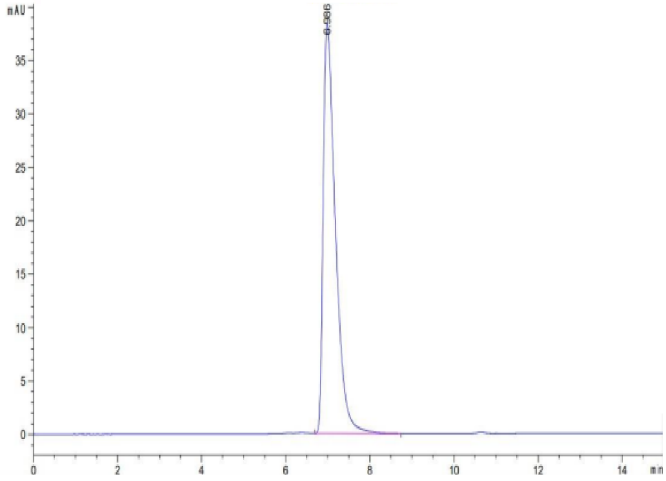
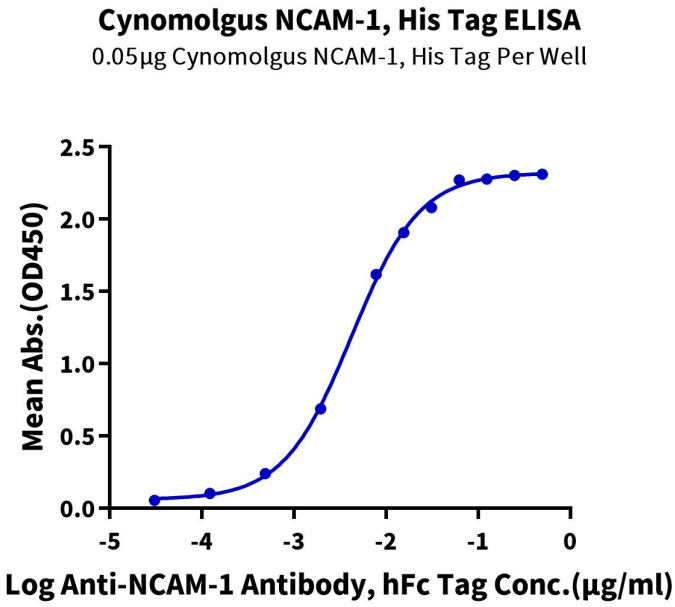
Assay Data



The purity of Cynomolgus NCAM-1 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Cynomolgus NCAM-1, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-NCAM-1 Antibody, hFc Tag with the EC50 of 4.2ng/ml determined by ELISA (QC Test).