

Biotinylated Human NCAM-1/CD56 Protein

Cat. No. CAM-HM456B



Description

Source	Recombinant Biotinylated Human NCAM-1/CD56 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Leu20-Gly718.
Accession	P13591-2
Molecular Weight	The protein has a predicted MW of 80.29 kDa. Due to glycosylation, the protein migrates to 100-130 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

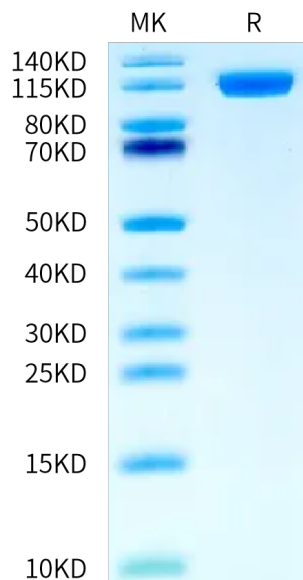
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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



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

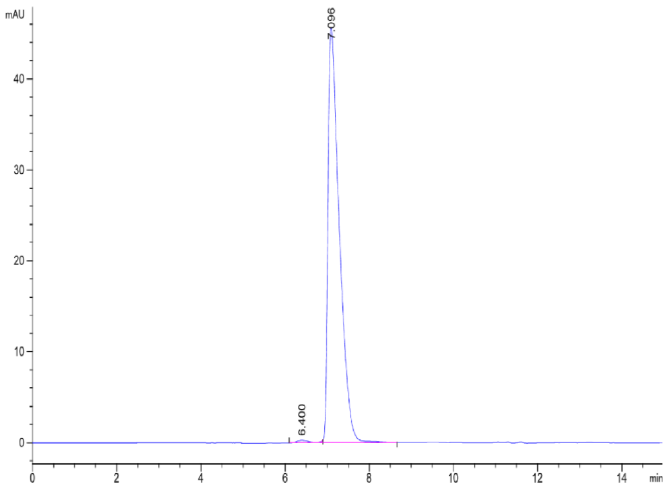
SEC-HPLC

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Assay Data

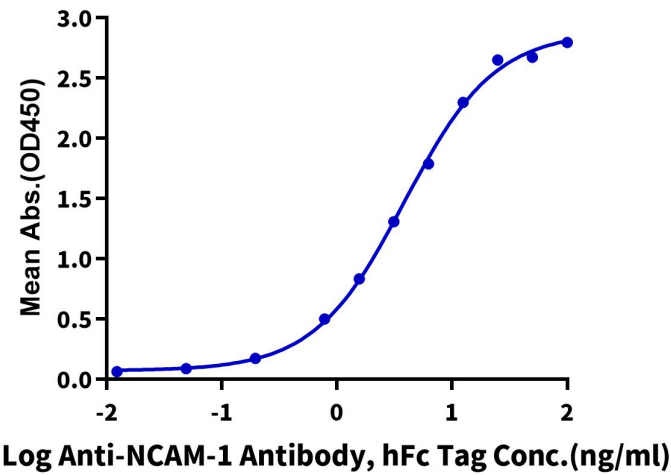


The purity of Biotinylated Human NCAM-1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human NCAM-1, His Tag ELISA

0.1µg Biotinylated Human NCAM-1, His Tag Per Well



Immobilized Biotinylated Human NCAM-1, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-NCAM-1 Antibody, hFc Tag with the EC50 of 3.9ng/ml determined by ELISA.