

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

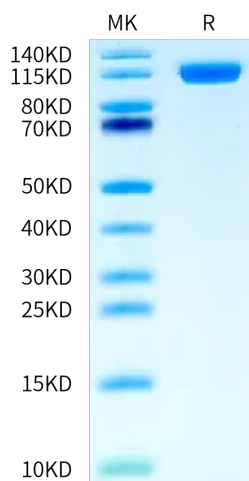
Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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.

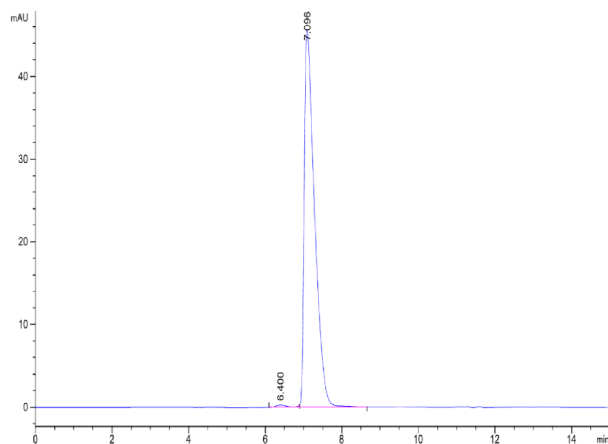
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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

Biotinylated Human NCAM-1/CD56 Protein

Cat. No. CAM-HM456B

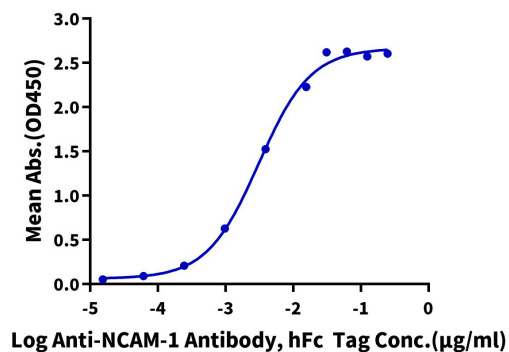


Assay Data

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 3.1ng/ml determined by ELISA.