

Biotinylated Human NCAM-1/CD56 Protein

Cat. No. CAM-HM456B

Description

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

Formulation and Storage

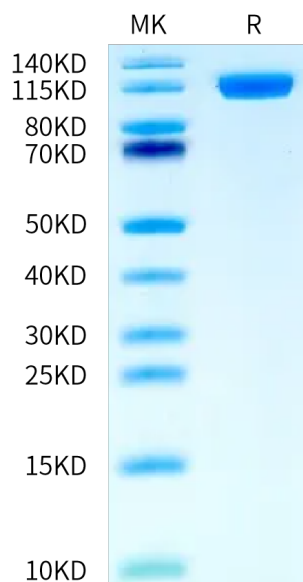
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended.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

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

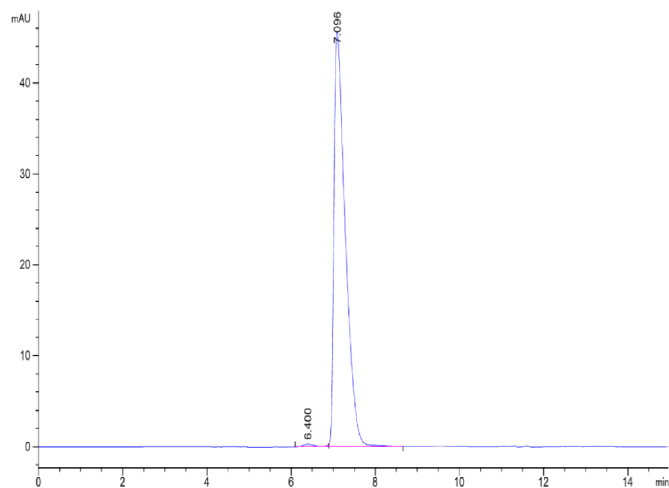
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

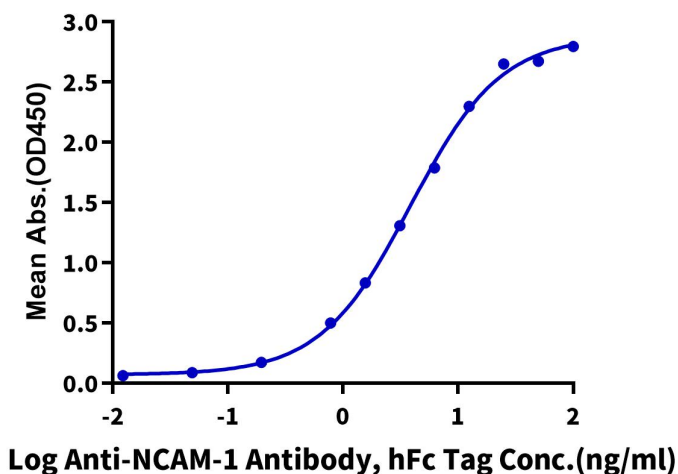


The purity of Biotinylated Human NCAM-1 is greater than 95% as determined by SEC-HPLC.

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.