

Human NCAM-1/CD56 Protein

Cat. No. CAM-HM256

Description

Source	Recombinant Human NCAM-1/CD56 Protein is expressed from HEK293 with hFc tag at the C-terminus. It contains Leu20-Gly718.
Accession	P13591-2
Molecular Weight	The protein has a predicted MW of 103.33 kDa. Due to glycosylation, the protein migrates to 120-150 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

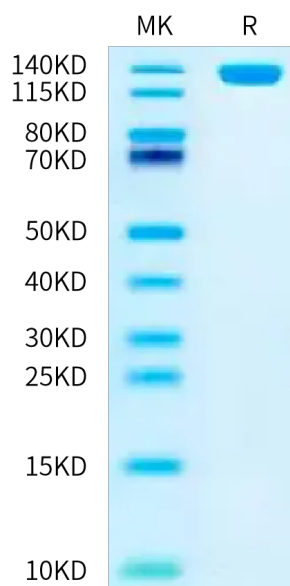
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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

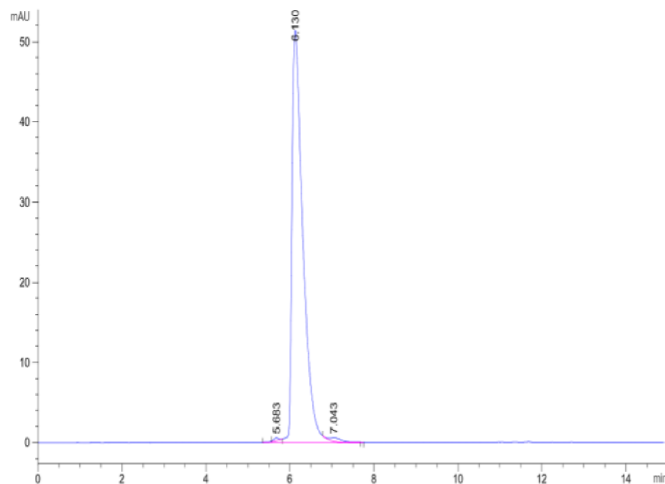
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

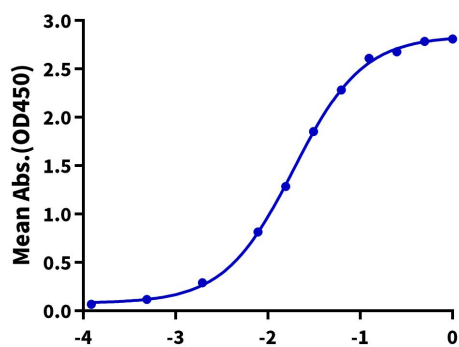


The purity of Human NCAM-1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human NCAM-1, hFc Tag ELISA

0.05µg Human NCAM-1, hFc Tag Per Well



Immobilized Human NCAM-1, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-NCAM-1 Antibody, hFc Tag with the EC₅₀ of 19.0ng/ml determined by ELISA.