

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 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

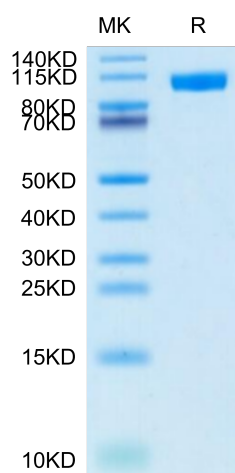
Formulation	Supplied as 0.22 μm filtered solution in 50mM Tris, 500mM NaCl (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

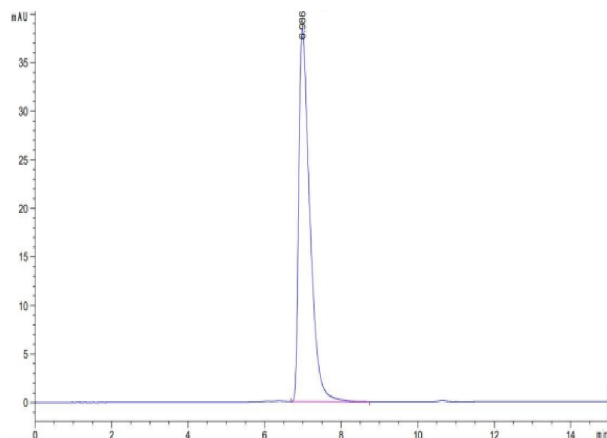
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



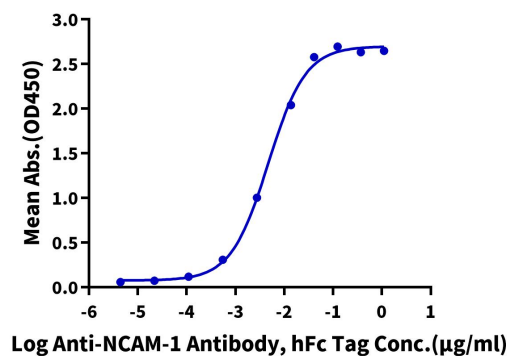
The purity of Cynomolgus NCAM-1 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus NCAM-1, His Tag ELISA

0.05µg Cynomolgus NCAM-1, His Tag Per Well



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 4.7ng/ml determined by ELISA.