

## 32-13785: NCAM1 Human

- Format :** The NCAM1 solution (1mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.
- Alternative Name :** Neural cell adhesion molecule 1, Neural cell adhesion molecule 1 isoform3, N-CAM-1, NCAM-1, CD56, NCAM1, NCAM, MSK39

### Description

Source:Sf9, Baculovirus cells.

Physical Appearance: Sterile filtered colorless solution.

Biological Activity: null

Neural Cell Adhesion Molecule 1 (NCAM1) is a part of the immunoglobulin superfamily. NCAM1 binds specifically to neurite fasciculation, neuron-neuron adhesion, outgrowth of neurites, and more. The polysialylation of NCAM1 reduces its adhesive property and increases its neurite outgrowth promoting features. NCAM1 is mainly expressed in NK cells and a subset of T lymphocytes that mediate MHC-unrestricted cell-mediated cytotoxicity. High expression of NCAM-1 differentiates NK cells as having an activated phenotype. During hematopoiesis, NCAM1 plays a role as the prototypic marker of NK cells and is also present on a subset of CD4+, CD8+ and T cells. In cell adhesion, NCAM1 contributes to cell-cell adhesion during embryonic development.

NCAM1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 593 amino acids (20-603 a.a) and having a molecular mass of 65.7kDa. NCAM1 is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

### Product Info

- Amount :** 10 µg / 2 µg
- Purification :** Greater than 95.0% as determined by SDS-PAGE.
- Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
- Amino Acid :** ADPLQVDIVP SQGEISVGES KFFLCQVAGD AKDKDISWFS PNGEKLTNPQ QRISVWVWDD SSSTLTIYNA NIDDAGIYKC VVTGEDGSES EATVNVKIFQ KLMFKNAPTP QEFREGEDAV IVCDVVSSLP PTIIWKHKGR DVILKKDVRV IVLSNNYLQI RGIKKTDEGT YRCEGRILAR GEINFKDIQV IVNVPPTIQA RQIVNATAN LGQSVTLVCD AEGFPEPTMS WTKDGEQIEQ EEDDEKYIFS DDSSQLTIKK VDKNDEAEYI CIAENKAGEQ DATIHLKVFA KPKITYVENQ TAMELEEQVT LTCEASGDPI PSITWRTSTR NISSEKTLTD GHMVVRSHAR VSSLTLKSIQ YTDAGEYICT ASNTIGQDSQ SMYLEVQYAP KLQGPVAVYT WEGNQVNITC EVFAYPSATI SWFRDQQLP SSNYSNIKIY NTPSASYLEV TPDSSEDFGN YNCTAVNRIG QESLEFILVQ ADTPSSPSID QVEPYSSTAQ VQFDEPEATG GVPILKYKAE WRAVGEEVWH SKWYDAKEAS MEGIVTIVGL KPETTYAVRL AALNGKGLGE ISAASEFKTQ PVHSPPPHHH HHH