

Recombinant Human Neural Cell Adhesion Molecule 1

Cat. No. NCAM1-4266H Lot. No. (See product label)

SPECIFICATION

Product Overview	CD56 Human Recombinant (aa 20-220) expressed in E.coli, shows a 48 kDa band on SDS-PAGE. The CD56 is purified by proprietary chromatographic techniques.
Species	Human
Source	Human
ProteinLength	20-220 a.a.
Description	Three isoforms of neural cell adhesion molecule (NCAM) are produced by differential splicing of the RNA transcript from a single gene. The 135kDa isoform is the basic molecule which is glycosylated or sialylated to produce the mature species. NCAM has been implicated as having a role in cell-cell adhesion, neurite outgrowth, synaptic plasticity, and learning and memory. NCAM (CD56) is reported to express on most neuroectodermal derived cell lines, tissues, and neoplasms such as retinoblastoma, medullblastoma, astrocytoma, and neuroblastoma. It is also expressed on some mesodermally derived tumors such as rhabdomyosarcoma and also on natural killer cells.
Form	CD56 at 100g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Physical Appearance	Sterile Filtered clear solution.
Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

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GENE INFORMATION

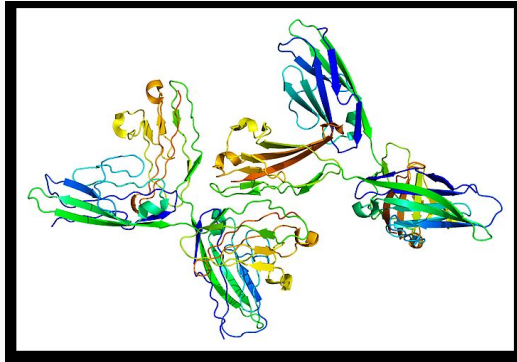
Gene Name	NCAM1 neural cell adhesion molecule 1 [Homo sapiens]
Official Symbol	NCAM1
Synonyms	NCAM-1; N-CAM-1; OTTHUMP00000235666; neural cell adhesion molecule, NCAM; antigen recognized by monoclonal antibody 5.1H11; E C 2.7.11.1; CD56 antigen; neural cell adhesion molecule 1; CD56; NCAM; MSK39; NCAM1
Gene ID	4684
mRNA Refseq	NM_000615
Protein Refseq	NP_000606
MIM	116930
UniProt ID	P13591
Chromosome Location	11q23.1
Pathway	Axon guidance; Cell adhesion molecules (CAMs); FGF signaling pathway; Interferon Signaling; L1CAM interactions; NCAM1 interactions; Prion diseases; Signal transduction by L1

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