

Active Recombinant Human NCAM1

Cat. No. NCAM1-660H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NCAM1 (Accession # NP_001070150) was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Predicted N Terminal	Leu20
Form	Lyophilized from a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of Neuro-2A mouse neuroblastoma cells. When 5×10^4 cells/well are added to recombinant human NCAM-1 coated plates, cell adhesion is enhanced in a dose dependent manner after 1 hour incubation at 37 °C. The ED50 for this effect is typically 0.5 - 3 µg/mL. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Human NCAM1 has a calculated MW of 76.5 kDa. In SDS-PAGE migrates as 120 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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GENE INFORMATION

Gene Name	NCAM1 neural cell adhesion molecule 1 [Homo sapiens]
Official Symbol	NCAM1
Synonyms	NCAM1; neural cell adhesion molecule 1; CD56; NCAM; neural cell adhesion molecule, NCAM; antigen recognized by monoclonal 5.1H11; MSK39;
Gene ID	4684
mRNA Refseq	NM_000615
Protein Refseq	NP_000606
MIM	116930
UniProt ID	P13591
Chromosome Location	11q23.2

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