



## Product Datasheet

<b>Product Name</b>	CD56 Human Recombinant
<b>Cata No</b>	CB501099
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Neural cell adhesion molecule 1, 140 kDa isoform, N-CAM 140, NCAM-140, CD56 antigen, NCAM1, NCAM, CD56, MSK39

### 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. 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.

### Physical Appearance

Sterile Filtered clear solution.

### Formulation

CD56 at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

### Stability

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.**

### Applications

- ELISA
- Inhibition Assays
- Western Blotting