

For Research Use Only

# Ncam1 Recombinant antibody

Catalog Number:83883-2-RR



## Basic Information

Catalog Number:

83883-2-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

17967

UNIPROT ID:

P13595-1

Full Name:

neural cell adhesion molecule 1

Calculated MW:

119 kDa

Observed MW:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

240936B9

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

rat

Positive Controls:

WB : C6 cells,

## Background Information

Neural cell adhesion molecule 1 (NCAM1, also known as CD56) is a cell adhesion glycoprotein of the immunoglobulin (Ig) superfamily. It is a multifunction protein involved in synaptic plasticity, neurodevelopment, and neurogenesis. NCAM1 is expressed on human neurons, glial cells, skeletal muscle cells, NK cells, and a subset of T cells, and the expression is observed in a wide variety of human tumors, including myeloma, myeloid leukemia, neuroendocrine tumors, Wilms' tumor, neuroblastoma, and NK/T cell lymphomas. Three major isoforms of NCAM1, with molecular masses of 120, 140, and 180 kDa, are generated by alternative splicing of mRNA (PMID: 9696812). The glycosylphosphatidylinositol (GPI)-anchored NCAM120 and the transmembrane NCAM140 and NCAM180 consist of five Ig-like domains and two fibronectin-type III repeats (FNIII). All three forms can be posttranslationally modified by the addition of polysialic acid (PSA) (PMID: 14976519). Several other isoforms have also been described (PMID: 1856291).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

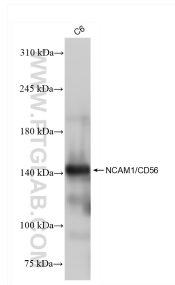
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

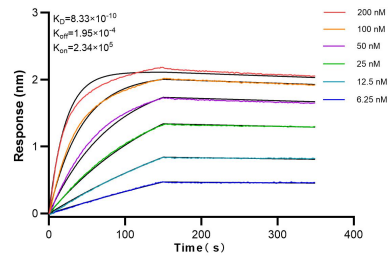
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## Selected Validation Data



C6 cells were subjected to SDS PAGE followed by western blot with 83883-2-RR (Ncam1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83883-2-RR against Mouse Ncam1 were performed. The affinity constant is 0.833 nM.