

For Research Use Only

NCAM1/CD56 Recombinant antibody, PBS Only (Capture)



Catalog Number: 83365-5-PBS

Basic Information

Catalog Number: 83365-5-PBS	GenBank Accession Number: BC047244	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 4684	CloneNo.: 240078A7
Source: Rabbit	ENSEMBL Gene ID: ENSG00000149294	
Isotype: IgG	UNIPROT ID: P13591	
	Full Name: neural cell adhesion molecule 1	
	Calculated MW: 95 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

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 addition of polysialic acid (PSA) (PMID: 14976519). Several other isoforms have also been described (PMID: 1856291).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

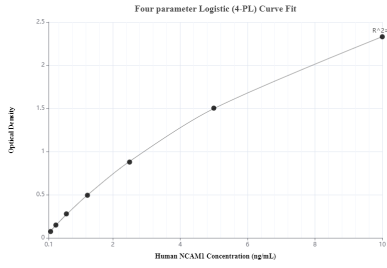
T: 4006900926

E: Proteintech-CN@ptglab.com

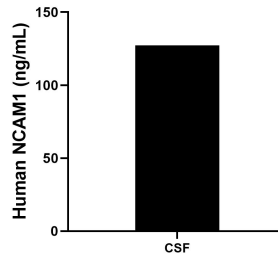
W: ptgcn.com

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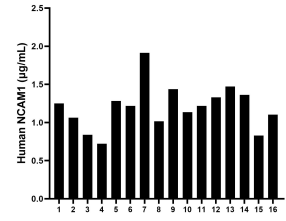
Selected Validation Data



Sandwich ELISA standard curve of MP00393-4, Human NCAM1 Monoclonal Matched Antibody Pair - PBS only. 83365-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg31816. 83365-4-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



The NCAM1 concentration of Human cerebrospinal fluid (CSF) samples were determined to be 127.3 ng/mL



Serum of sixteen individual healthy human donors were measured. The NCAM1 concentration of detected samples was determined to be 1.2 ug/mL with a range of 0.7 - 1.9 ug/mL