

For Research Use Only

CoraLite® Plus 488-conjugated NCAM1/CD56 Recombinant monoclonal antibody



Catalog Number: **CL488-82715**

Featured Product

Basic Information

Catalog Number: CL488-82715	GenBank Accession Number: BC047244	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 4684	CloneNo.: 6N11
Isotype: IgG	ENSEMBL Gene ID: ENSG00000149294	Recommended Dilutions: IF-P: 1:50-1:500
Immunogen Catalog Number: AG5528	UNIPROT ID: P13591	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Full Name: neural cell adhesion molecule 1	
	Calculated MW: 95 kDa	
	Observed MW: 120 kDa, 140 kDa, 180 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse brain tissue,
Species Specificity: human, mouse, rat, pig	

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).

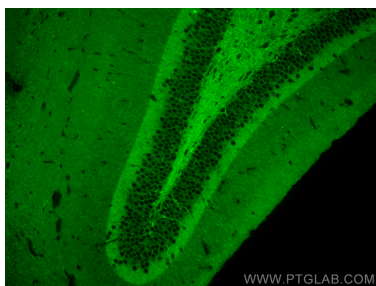
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

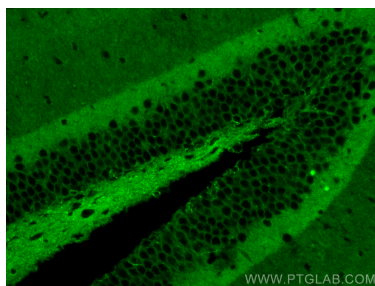
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite® Plus 488 NCAM1/CD56 antibody (CL488-82715, Clone: 6N11) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite® Plus 488 NCAM1/CD56 antibody (CL488-82715, Clone: 6N11) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).