

For Research Use Only

CoraLite® Plus 488-conjugated NCAM1/CD56 Monoclonal antibody

Catalog Number: CL488-60238



Basic Information

Catalog Number: CL488-60238	GenBank Accession Number: BC047244	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4684	CloneNo.: 1E8C9
Source: Mouse	ENSEMBL Gene ID: ENSG00000149294	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	UNIPROT ID: P13591	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG5732	Full Name: neural cell adhesion molecule 1	
	Calculated MW: 95 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : SH-SY5Y cells,
Species Specificity: human, mouse, pig, rat	

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).

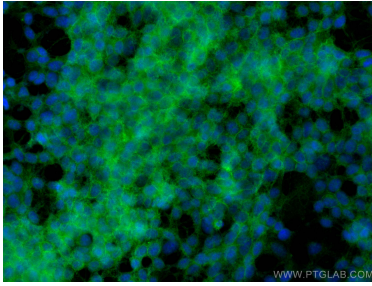
Storage

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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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 (-20°C Ethanol) fixed SH-SY5Y cells using CoraLite® Plus 488 NCAM1/CD56 antibody (CL488-60238, Clone: 1E8C9) at dilution of 1:200.