

For Research Use Only

CoraLite® Plus 488-conjugated NRCAM Monoclonal antibody



Catalog Number: CL488-68291

Basic Information

Catalog Number: CL488-68291	GenBank Accession Number: BC098401	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4897	CloneNo.: 2E1C3
Source: Mouse	UNIPROT ID: Q92823	Recommended Dilutions: IF 1:200-1:800
Isotype: IgG2b	Full Name: neuronal cell adhesion molecule	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG20558	Calculated MW: 1304 aa, 144 kDa	
	Observed MW: 130-140 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HEK-293 cells,
Species Specificity: Human, Mouse, Rat, Pig	

Background Information

Neuronal cell adhesion molecule (NRCAM) is a member of the L1 subfamily of cell adhesion molecules (CAMs) that belong to the immunoglobulin superfamily (PMID: 11329126). NRCAM is a transmembrane protein composed of six Ig-like domains and five fibronectin type-III repeats in the extracellular region, with a highly conserved cytoplasmic tail. It is mainly expressed in the nervous system and is involved in neuron-neuron adhesion and promotes directional signaling during axonal cone growth. NRCAM is also expressed outside the nervous system. Altered expression of NRCAM has been associated with tumor progression in diverse organs (PMID: 22182708).

Storage

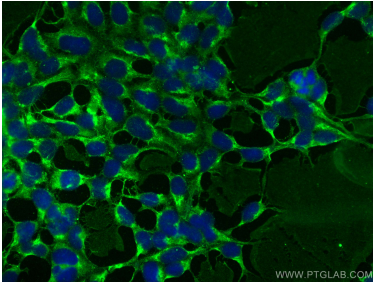
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

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 HEK-293 cells using CoraLite® Plus 488 NRCAM antibody (CL488-68291, Clone: 2E1C3) at dilution of 1:400.