

For Research Use Only

CoraLite® Plus 488-conjugated NRCAM Monoclonal antibody

Catalog Number: CL488-68291



Basic Information

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|----------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------|
| Catalog Number: CL488-68291 | GenBank Accession Number: BC098401 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 4897 | CloneNo.: 2E1C3 |
| Source: Mouse | UNIPROT ID: Q92823 | Recommended Dilutions: IF/ICC 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

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|-------------------------------------------------------|------------------------------------------------------|
| Tested Applications: IF/ICC | Positive Controls: IF/ICC : 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).

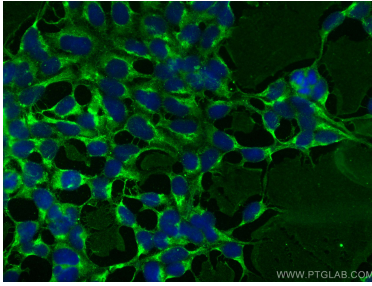
Storage

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

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)
E: proteintech@ptglab.com
W: ptglab.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 (-20°C Ethanol)
fixed HEK-293 cells using CoraLite® Plus 488
NRCAM antibody (CL488-68291, Clone: 2E1C3) at
dilution of 1:400.