

For Research Use Only

CoraLite® Plus 488-conjugated Neuropilin 1/CD304 Recombinant monoclonal antibody

Catalog Number: CL488-84429-5



Basic Information

Catalog Number: CL488-84429-5	GenBank Accession Number: BC007533	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 8829	CloneNo.: 241812G11
Source: Rabbit	UNIPROT ID: O14786	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: neuropilin 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: EG2331	Observed MW: 130-140 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : PC-3 cells,
Species Specificity: human, mouse, rat	

Background Information

Neuropilin-1 (NRP1) is a 130-140 kDa transmembrane glycoprotein expressed by endothelial, dendritic, and regulatory T cells, as well as several other normal cell types and malignant tumor cells. NRP1 was first identified as a semaphorin (SEMA) receptor, involved in axonal guidance in embryonic development. NRP1 was also shown to act as a receptor for vascular endothelial growth factor (VEGF) and a promoter of angiogenesis through its interaction with VEGF-A165 (and other VEGFs) and the receptor tyrosine kinase (RTK) VEGF-R2. NRP1 plays versatile roles in angiogenesis, axon guidance, cell survival, migration, and invasion.

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

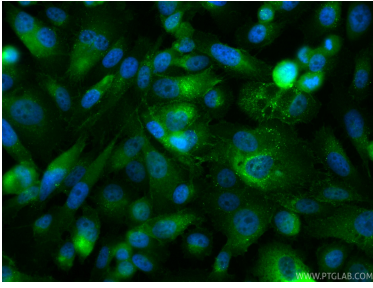
For technical support and original validation data for this product please contact:

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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 (4% PFA) fixed PC-3 cells using CoraLite® Plus 488 Neuropilin 1/CD304 antibody (CL488-84429-5, Clone: 241812G11) at dilution of 1:200.