

For Research Use Only

CoraLite®594-conjugated NF-M Monoclonal antibody

Catalog Number:CL594-66396



Basic Information

Catalog Number: CL594-66396	GenBank Accession Number: BC002421	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4741	CloneNo.: 2E3B12
Source: Mouse	UNIPROT ID: P07197	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG1	Full Name: neurofilament, medium polypeptide	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG22709	Calculated MW: 102 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications: IF-P, FC (Intra)	Positive Controls: IF-P : mouse brain tissue,
Species Specificity: human, mouse, rat	

Background Information

NEFM, also named as NEF3 and NFM, belongs to the intermediate filament family. Neurofilaments are the 10nm intermediate filaments found specifically in neurons. They are a major component of the cell's cytoskeleton, and provide support for normal axonal radial growth. Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber. The names given to the three major neurofilament subunits are based upon the apparent molecular weight of the mammalian subunits on SDS-PAGE: NF-L, 65-68 kDa; NF-M, 140-160 kDa and NF-H, 200-220 kDa.

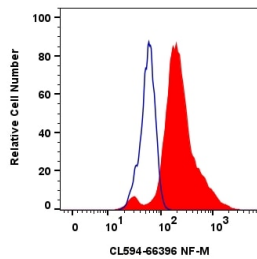
Storage

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

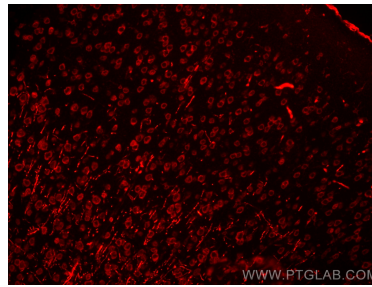
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1×10^6 PC-12 cells were intracellularly stained with 0.8 μ g CoraLite® 594-conjugated NF-M Monoclonal antibody (CL594-66396, Clone: 2E3B12) (red), or 0.8 μ g CoraLite® 594 Mouse IgG1 Isotype Control (MOPC-21) (CL594-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite® 594 NF-M antibody (CL594-66396, Clone: 2E3B12) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).