

For Research Use Only

CoraLite® Plus 488-conjugated NF200 Monoclonal antibody



Catalog Number: **CL488-60331**

Basic Information

Catalog Number: CL488-60331	GenBank Accession Number: BC014185	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4744	CloneNo.: 1A3C7
Source: Mouse	UNIPROT ID: P12036	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a	Full Name: neurofilament, heavy polypeptide	
Immunogen Catalog Number: AG13517	Calculated MW: 112 kDa	
	Observed MW: 200 kDa	

Applications

Tested Applications:
Species Specificity:
human, pig

Background Information

NEFH, also named as KIAA0845 and NFH, Belongs to the intermediate filament family. It has an important function in mature axons that is not subserved by the two smaller NF proteins. 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, 65-68kd; NF-M, 145-160kd and NF-H, 200-220kd. This antibody recognize NEFH only.

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:
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