

Mouse Monoclonal Antibody to NEFL

Catalogue Number	sAP-0660
Target Molecule	<p>Name: NEFL</p> <p>Aliases: NFL; NF-L; NF68; CMT1F; CMT2E</p> <p>MW: 62kDa</p> <p>Entrez Gene ID: 4747</p>
Description	Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the light chain neurofilament protein. Mutations in this gene cause Charcot-Marie-Tooth disease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are characterized by distinct neuropathies. A pseudogene has been identified on chromosome Y.
Immunogen	Purified recombinant fragment of human NEFL expressed in E. Coli. ;
Recitative Species	Human
Clone	MM1H3;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. BMB Rep. 2008 Dec 31;41(12):868-74. ; 2. J Hum Genet. 2009 Feb;54(2):94-7.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**