PRODUCT INFORMATION

Clone ID	DM198
Target	NEFL
Synonyms	CMT1F; CMT2E; CMTDIG; NF-L; NF68; NFL; PPP1R110
Host Species	Rabbit
Description	Anti-NEFL(9-88) antibody(DM198); Rabbit mAb
Delivery	In Stock
Uniprot ID	P07196
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Human
Applications	ELISA
Recommended Dilutions	ELISA 1:5000-10000
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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.
Usage	Research use only

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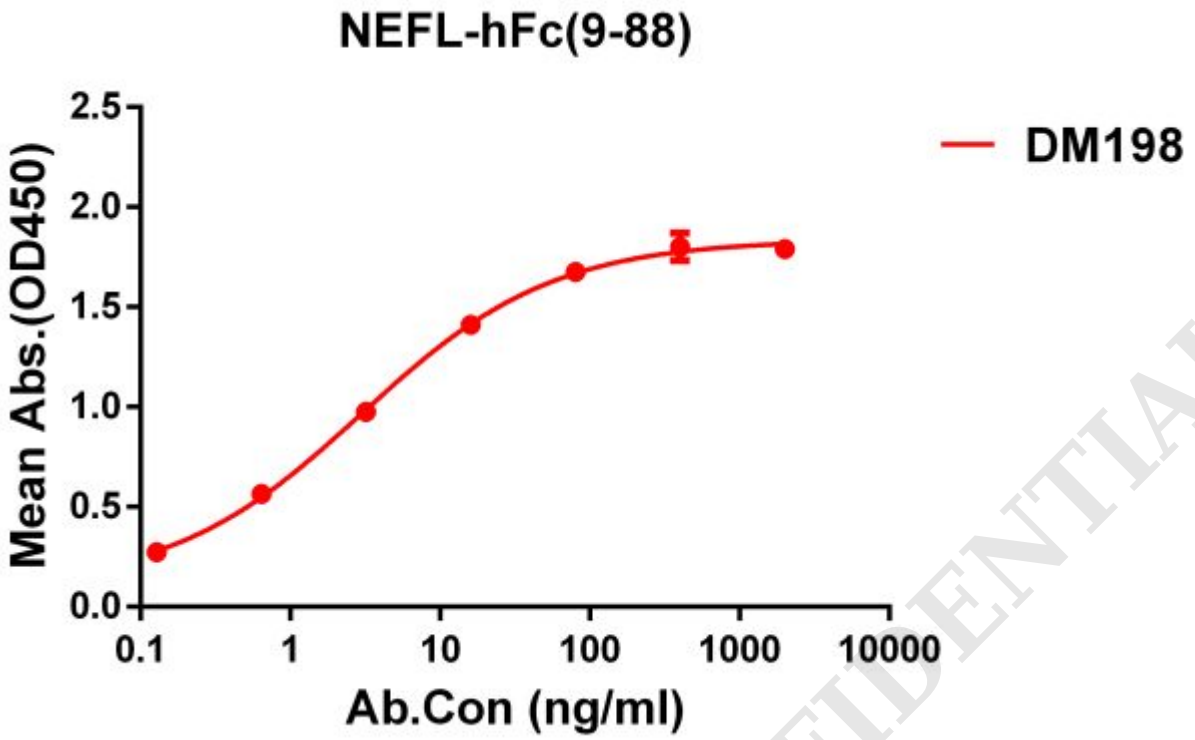

Figure 1. ELISA plate pre-coated by 1 μg/ml (100 μl/well) Human NEFL(9-88) protein, hFc tagged protein ([getskuurl sku="PME100654"]) can bind Rabbit anti-NEFL(9-88) monoclonal antibody(clone: DM198) in a linear range of 1-100 ng/ml.

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