

Product datasheet for **TA700589**

Neurofilament (NEFL) Biotinylated Mouse Monoclonal Detection Antibody (Biotin conjugated) [Clone ID: OTI5C8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5C8
Applications:	ELISA
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant protein (90-400aa)
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5mg/ml
Purification:	Purified from mouse ascites fluids by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Predicted Protein Size:	61.5 kDa
Gene Name:	neurofilament light chain
Database Link:	NP_006149 Entrez Gene 4747 Human P07196



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.

Synonyms:

CMT1F; CMT2E; CMTDIG; NF-L; NF68; NFL; PPP1R110

Matched ELISA Pair:

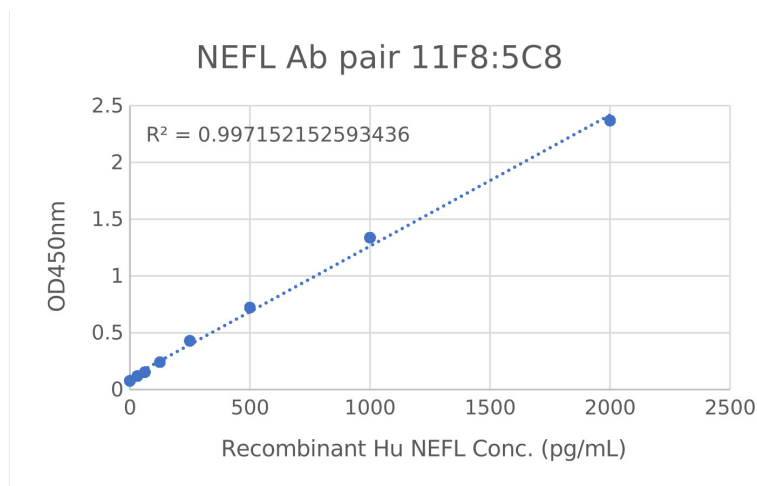
TA600589

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS

Protein Pathways:

Amyotrophic lateral sclerosis (ALS)

Product images:

NEFL ELISA with 11F8 Capture ([TA600589]) and 5C8 Detection (TA700589) Antibodies. Target protein used: Human NEFL (E. coli expressed protein Cat# [TP762354])