Human NEFL Antibody Pair Set

Catalog No. E-KAB-0485 **Applications** ELISA

Synonyms 68 kDa neurofilament protein;CMT1F;CMT2E;CMTDIG;Light polypeptide;NF-L;NF68;NFL;Neurofilament;Neurofilament lightpolypeptide;Neurofilament triplet Lprotein;Neurofilamentlight;PPP1R11

Kit components & Storage

Title	Specifications	Storage
Human NEFL Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human NEFL Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

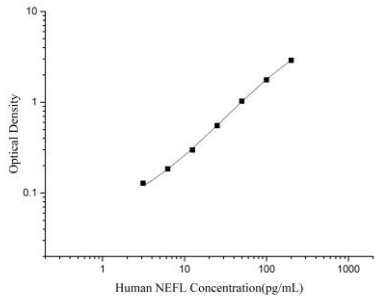
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0485)	
		Human NEFL Capture Antibody	Human NEFL Detection Antibody (Biotin)
Immunogen Information	Immunogen	Natural Human NEFL protien	Natural Human NEFL protien
	Swissprot	P07196	
Product details	Reactivity	Human	Human
	Host	Rat	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human NEFL in ELISAs.	

Applications

Human NEFL Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human NEFL Capture Antibody	
ELISA Detection	1:1000-1:10000	Human NEFL Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

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.