

Human Neurofilament, Light Polypeptide (NEFL) ELISA Kit | NEFL elisa kit

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CATALOG #
AAA147237

REACTIVITY
Human

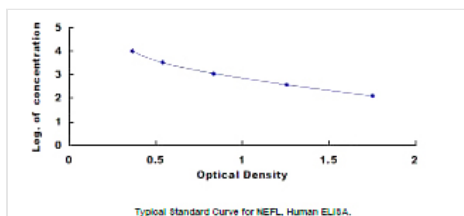
PRODUCT SYNONYMS

Neurofilament; Light Polypeptide (NEFL); Human Neurofilament; Light Polypeptide (NEFL) ELISA Kit; NEFL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Neurofilament, Light Polypeptide (NEFL). No significant cross-reactivity or interference between Neurofilament, Light Polypeptide (NEFL) and analogues was observed.
Sequence Length	543
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	123.5-10,000pg/mL
Sensitivity	49.3pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Neurofilament, Light Polypeptide (NEFL) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Neurofilament, Light Polypeptide (NEFL) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NEFL elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Neurofilament, Light Polypeptide (NEFL) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Neurofilament, Light Polypeptide (NEFL) and unlabeled Neurofilament, Light Polypeptide (NEFL) (Standards or samples) with the pre-coated antibody specific to Neurofilament, Light Polypeptide (NEFL). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Neurofilament, Light Polypeptide (NEFL) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Neurofilament, Light Polypeptide (NEFL) in the sample.
Product Categories/Family for NEFL elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	105990539
NCBI GeneID	4747
NCBI Accession #	NP_006149.2
NCBI GenBank Nucleotide #	NM_006158.4
UniProt Accession #	P07196; Q16154; Q8IU72; B9ZVN2
Molecular Weight	61,517 Da
NCBI Official Full Name	neurofilament light polypeptide
NCBI Official Synonym Full Names	neurofilament light
NCBI Official Symbol	NEFL
NCBI Official Synonym Symbols	NFL; NF-L; NF68; CMT1F; CMT2E; PPP1R110
NCBI Protein Information	neurofilament light polypeptide
UniProt Protein Name	Neurofilament light polypeptide
UniProt Gene Name	NEFL
UniProt Synonym Gene Names	NF68; NFL; NF-L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/neurofilament-light-polypeptide-nefl/147237>