

Human Neurofilament, Light Polypeptide (NEFL) CLIA Kit | NEFL clia kit

Human Neurofilament, Light Polypeptide (NEFL)(Sandwich CLIA) CLIA Kit

CATALOG # AAA150925	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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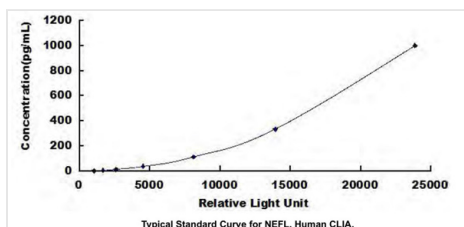
PRODUCT SYNONYMS

Neurofilament; Light Polypeptide (NEFL); Human Neurofilament; Light Polypeptide (NEFL)(Sandwich CLIA) CLIA Kit; CLIA Kit for Neurofilament; NEFL/Neurofilament; Light Polypeptide; CMT1F; CMT2E; NF-L; NF68; NFL; 68 kDa neurofilament protein; Neurofilament triplet L protein; NEFL clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NEFL. No significant cross-reactivity or interference between NEFL and analogues was observed.
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.37-1,000pg/mL
Sensitivity	< 0.63pg/mL
Applicable Applications for NEFL clia kit	CLIA (Chemiluminescence Immunoassay)
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NEFL were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NEFL were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life) 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 clia kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to NEFL. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to NEFL. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the NEFL level in the sample or standard. Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of NEFL in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for NEFL clia kit	Neuro science

NCBI AND UNIPROT INFORMATION

NCBI GI #	62511894
NCBI GeneID	4747
UniProt Accession #	P07196; Q16154; Q8IU72; B9ZVN2
Molecular Weight	543
NCBI Official Full Name	Neurofilament light polypeptide
NCBI Official Synonym Full Names	neurofilament, light polypeptide
NCBI Official Symbol	NEFL
NCBI Official Synonym Symbols	NFL; NF-L; NF68; CMT1F; CMT2E; PPP1R110
NCBI Protein Information	neurofilament light polypeptide; neurofilament subunit NF-L; neurofilament triplet L protein; neurofilament protein, light chain; neurofilament, light polypeptide 68kDa; light molecular weight neurofilament protein; protein phosphatase 1, regulatory subun
UniProt Protein Name	Neurofilament light polypeptide
UniProt Gene Name	NEFL
UniProt Synonym Gene Names	NF68; NFL; NF-L
UniProt Entry Name	NFL_HUMAN

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-clia-kits/neurofilament-light-polypeptide-nefl/150925>