

Rat Neurofilament, Heavy Polypeptide (NEFH) ELISA Kit | NEFH elisa kit

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CATALOG #
AAA186471

REACTIVITY
Rat

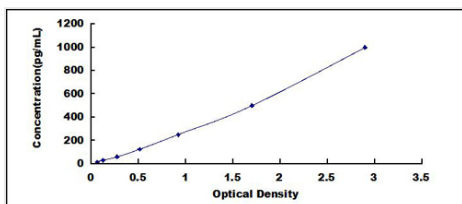
PRODUCT SYNONYMS

Neurofilament; Heavy Polypeptide (NEFH); Rat Neurofilament; Heavy Polypeptide (NEFH) ELISA Kit; NFH; 200 kDa neurofilament protein; Neurofilament triplet H protein; NEFH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Neurofilament, Heavy Polypeptide (NEFH). No significant cross-reactivity or interference between Neurofilament, Heavy Polypeptide (NEFH) and analogues was observed.
Sequence Length	963
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 5.7pg/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, Heavy Polypeptide (NEFH) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Neurofilament, Heavy Polypeptide (NEFH) 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 NEFH elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Neurofilament, Heavy Polypeptide (NEFH). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Neurofilament, Heavy Polypeptide (NEFH). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Neurofilament, Heavy Polypeptide (NEFH), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Neurofilament, Heavy Polypeptide (NEFH) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32483416
NCBI GeneID	4744
NCBI Accession #	NP_066554.2
NCBI GenBank Nucleotide #	NM_021076.3
UniProt Accession #	P12036; Q96HF8; Q9UJS7; Q9UQ14; B4DYY4
Molecular Weight	105,639 Da
NCBI Official Full Name	neurofilament heavy polypeptide
NCBI Official Synonym Full Names	neurofilament heavy
NCBI Official Symbol	NEFH
NCBI Official Synonym Symbols	NFH; CMT2CC
NCBI Protein Information	neurofilament heavy polypeptide
UniProt Protein Name	Neurofilament heavy polypeptide
UniProt Gene Name	NEFH
UniProt Synonym Gene Names	KIAA0845; NFH; NF-H

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/rat-elisa-kits/neurofilament-heavy-polypeptide-nefh/186471>