

Human Neurofilament medium polypeptide (NEFM) ELISA Kit | NEFM elisa kit

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CATALOG #
AAA245677

REACTIVITY
Human

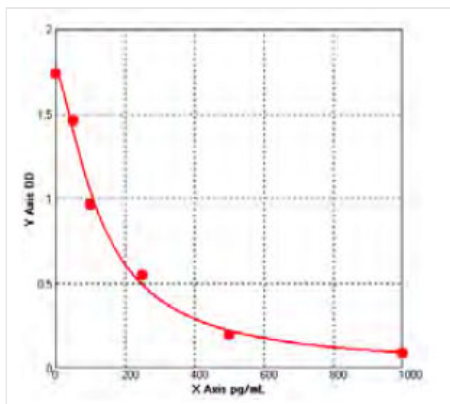
PRODUCT SYNONYMS

Neurofilament medium polypeptide (NEFM); Human Neurofilament medium polypeptide (NEFM) ELISA Kit; NEFM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NEFM. No significant cross-reactivity or interference between NEFM and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NEFM and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NEFM elisa kit	Intended Uses: This NEFM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human NEFM. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: NEFM ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NEFM antibody and an NEFM-HRP conjugate. The assay sample and buffer are incubated together with NEFM-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NEFM concentration since NEFM from samples and NEFM-HRP conjugate compete for the anti-NEFM antibody binding site. Since the number of sites is limited, as more sites are occupied by NEFM from the sample, fewer sites are left to bind NEFM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NEFM concentration in each sample is interpolated from this standard curve.
Product Categories/Family for NEFM elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	281185500
NCBI GeneID	4741
Molecular Weight	59,599 Da
NCBI Official Full Name	Neurofilament medium polypeptide
NCBI Official Synonym Full Names	neurofilament, medium polypeptide
NCBI Official Symbol	NEFM
NCBI Official Synonym Symbols	NFM; NEF3; NF-M
NCBI Protein Information	neurofilament medium polypeptide; neurofilament 3; 160 kDa neurofilament protein; neurofilament triplet M protein; neurofilament-3 (150 kD medium); neurofilament, medium polypeptide 150kDa
UniProt Protein Name	Neurofilament medium polypeptide
UniProt Gene Name	NEFM
UniProt Synonym Gene Names	NEF3; NFM; NF-M
UniProt Entry Name	NFM_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-elisa-kits/neurofilament-medium-polypeptide-nefm/245677>