

## Human Neurofilament medium polypeptide ELISA Kit | NEFM elisa kit

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CATALOG #  
**AAA195280**

REACTIVITY  
**Human**

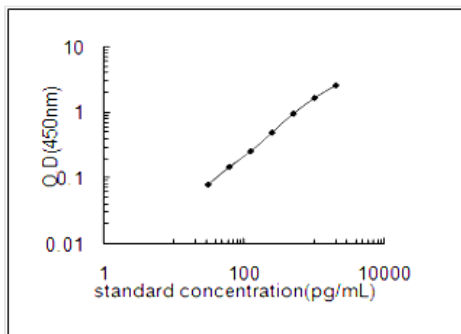
### PRODUCT SYNONYMS

Neurofilament medium polypeptide; Human Neurofilament medium polypeptide ELISA Kit; NF-M; 160 kDa neurofilament protein; Neurofilament 3; Neurofilament triplet M protein; NEFM; NEF3; NFM; NEFM elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                   |
| Specificity             | This assay recognizes recombinant and natural human NF-M. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 916                                                                                                                     |
| Assay Type              | Sandwich                                                                                                                |
| Detection Range         | 31.2-2000 pg/mL                                                                                                         |
| Sensitivity             | 10pg/mL                                                                                                                 |
| Intra-Assay CV          | <=4.7%                                                                                                                  |
| Inter-Assay CV          | <=7.1%                                                                                                                  |
| Recovery                | 85%                                                                                                                     |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                     |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Related Product Information for NEFM elisa kit | <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human neurofilament medium polypeptide,NF-M concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.</p> <p>Principle of the Assay  The microtiter plate provided in this kit has been pre-coated with an antibody specific to NF-M. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for NF-M and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain NF-M, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of NF-M in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 157738649                                  |
| NCBI GeneID                      | 4741                                       |
| NCBI Accession #                 | NP_005373.2                                |
| NCBI GenBank Nucleotide #        | NM_005382.2                                |
| UniProt Accession #              | P07197; Q4QRK6; B4DGN2; E9PBF7             |
| Molecular Weight                 | 59,468 Da                                  |
| NCBI Official Full Name          | neurofilament medium polypeptide isoform 1 |
| 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           |
| 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/nefm-human-elisa-kits/neurofilament-medium-polypeptide/195280>