

## Mouse NGF beta ELISA Kit | NGF elisa kit

Mouse NGF beta ELISA Kit

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| CATALOG #<br><b>AAA17907</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|------------------------------|----------------------------|------------------------------|

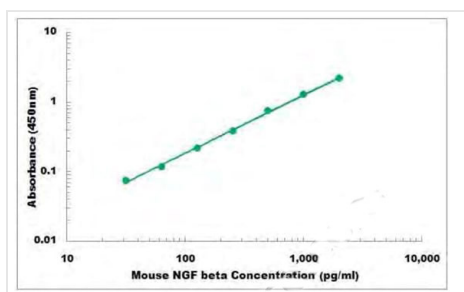
### PRODUCT SYNONYMS

NGF beta; Mouse NGF beta ELISA Kit; NGFB; Beta-nerve growth factor; Beta-NGF; NGF elisa kit

### PRODUCT SPECIFICATIONS

|                                           |                                                                                                                                                                                                  |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                | Mouse                                                                                                                                                                                            |
| Specificity                               | The Mouse NGF beta ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse NGF beta proteins within the range of 31.2 pg/ml - 2000 pg/ml. |
| Sequence Length                           | 241                                                                                                                                                                                              |
| Samples                                   | Culture Supernatants, Serum                                                                                                                                                                      |
| Sensitivity                               | < 1 pg/ml                                                                                                                                                                                        |
| Applicable Applications for NGF elisa kit | ELISA (Sandwich ELISA)                                                                                                                                                                           |
| Preparation and Storage                   | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Related Product Information for NGF elisa kit | <p>Background: Nerve growth factor (NGF) is a polypeptide involved in the regulation of growth and differentiation of sympathetic and certain sensory neurons. NGF is thought to have a profound effect on the development and maintenance of sympathetic and embryonic sensory neurones. NGF activity isolated from the male mouse submaxillary gland (MSG) consists of three types of subunits, alpha, beta and gamma, which specifically interact to form a 7S, approximately 130,000-molecular weight (Mr) complex. The 7S complex contains two identical 118-amino acid beta-chains, which are solely responsible for the nerve growth-stimulating activity of NGF. NGF, which is expressed by inflammatory cells and effects changes that lead to increased neural responsiveness, could be a pivotal mediator in allergic rhinitis.</p> <p>Principle of the Assay: The Mouse NGF beta ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse NGF beta in Cell Culture Supernatants, Serum. This assay employs an antibody specific for Mouse NGF beta coated on a 96-well plate. Standards and samples are pipetted into the wells and NGF beta present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse NGF beta antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of NGF beta bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 162951831                                                     |
| NCBI GeneID                      | 18049                                                         |
| NCBI Accession #                 | NP_001106168.1                                                |
| NCBI GenBank Nucleotide #        | NM_001112698.2                                                |
| UniProt Accession #              | P01139; Q63864; Q6LDB7                                        |
| Molecular Weight                 | 27,077 Da                                                     |
| NCBI Official Full Name          | beta-nerve growth factor isoform B                            |
| NCBI Official Synonym Full Names | nerve growth factor                                           |
| NCBI Official Symbol             | Ngf                                                           |
| NCBI Official Synonym Symbols    | Ngfb                                                          |
| NCBI Protein Information         | beta-nerve growth factor; beta-NGF; nerve growth factor, beta |
| UniProt Protein Name             | Beta-nerve growth factor                                      |
| UniProt Gene Name                | Ngf                                                           |
| UniProt Synonym Gene Names       | Ngfb; Beta-NGF                                                |
| UniProt Entry Name               | NGF_MOUSE                                                     |

**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/mouse-elisa-kits/ngf-beta/17907>