

## Human NGF/NGF beta ELISA Kit | NGF elisa kit

Human NGF/NGF beta PicoKine ELISA Kit

CATALOG #  
**AAA11530**

REACTIVITY  
**Human**

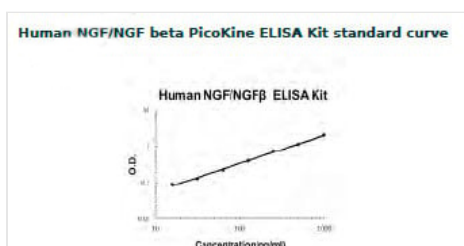
### PRODUCT SYNONYMS

NGF/NGF beta; Human NGF/NGF beta PicoKine ELISA Kit; Beta-nerve growth factor; nerve growth factor (beta polypeptide); Beta nerve growth factor; Beta NGF; HSAN5; MGC161426; MGC161428; Nerve growth factor (beta polypeptide); Nerve growth factor beta polypeptide; Nerve growth factor beta subunit; NGFB; NID67; NGF elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                               |
| Specificity             | Natural and recombinant Human NGF                                                                                                                   |
| Sequence Length         | 241                                                                                                                                                 |
| Samples                 | Cell culture supernates and serum                                                                                                                   |
| Detection Range         | 15.6pg/ml-1000pg/ml                                                                                                                                 |
| Sensitivity             | <1pg/ml                                                                                                                                             |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.   |
| Inter-assay Precision   | Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess interassay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for NGF elisa kit | <p>Principle of the Assay: The Picokine™ Human NGF Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human NGF with a 96-well strip plate that is pre-coated with antibody specific for NGF. The detection antibody is a biotinylated antibody specific for NGF. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human NGF with immunogen: Expression system for standard: NSO; Immunogen sequence: S122-A241. The kit is analytically validated with ready to use reagents. To measure Human NGF, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human NGF in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human NGF in the sample.!!Background/Introduction: 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. The standard product used in this kit is human 2.5S NGF, which is a dimer linking with two polypeptide chains of 120 amino acids.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| NCBI GI #                        | 90110037                                                    |
| NCBI GeneID                      | 4803                                                        |
| UniProt Accession #              | P01138; Q6FHA0; Q96P60; Q9P2Q8; Q9UKL8; A1A4E5              |
| Molecular Weight                 | 26,959 Da                                                   |
| NCBI Official Full Name          | Beta-nerve growth factor                                    |
| NCBI Official Synonym Full Names | nerve growth factor (beta polypeptide)                      |
| NCBI Official Symbol             | NGF                                                         |
| NCBI Official Synonym Symbols    | NGFB; HSAN5; Beta-NGF                                       |
| NCBI Protein Information         | beta-nerve growth factor; nerve growth factor, beta subunit |
| UniProt Protein Name             | Beta-nerve growth factor                                    |
| UniProt Gene Name                | NGF                                                         |
| UniProt Synonym Gene Names       | NGFB; Beta-NGF                                              |
| UniProt Entry Name               | NGF_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/ngf-ngf-beta/11530>