

Mouse NGF/NGF beta ELISA Kit | NGF elisa kit

Mouse NGF/NGF beta PicoKine ELISA Kit

CATALOG #
AAA11537

REACTIVITY
Mouse

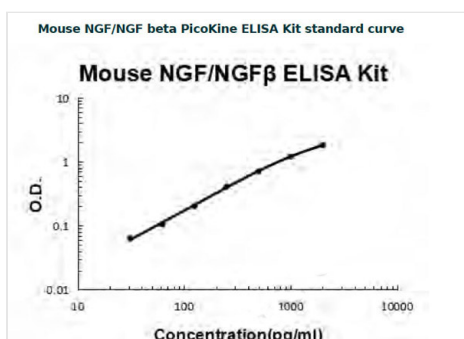
PRODUCT SYNONYMS

NGF/NGF beta; Mouse 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	Mouse
Specificity	Natural and recombinant Mouse Ngf
Sequence Length	241
Samples	Cell culture supernatants, serum and plasma (heparin, edta, citrate)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<1 pg/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 inter-assay 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	Principle of the Assay: The Picokine™ Mouse Ngf Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse 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 rat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Ngf with immunogen: Expression system for standard: NS0; Immunogen sequence: S122-G241. The kit is analytically validated with ready-to-use reagents. To measure Mouse 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 an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Ngf in the sample. Read the absorbance 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 Mouse 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	128162
NCBI GeneID	18049
UniProt Accession #	P01139; Q63864; Q6LDB7
Molecular Weight	27,077 Da
NCBI Official Full Name	Beta-nerve growth factor
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-ngf-beta/11537>