

Rat NGF/NGF beta ELISA Kit | NGF elisa kit

Rat NGF/NGF beta PicoKine ELISA Kit

CATALOG #
AAA45256

REACTIVITY
Rat

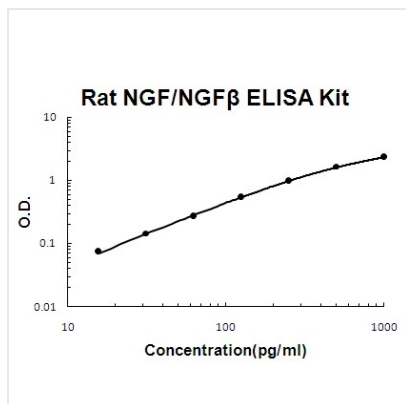
PRODUCT SYNONYMS

NGF/NGF beta; Rat 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	Rat
Specificity	Natural and recombinant rat NGF
Sequence Length	241
Samples	Cell culture supernates and serum.
Assay Type	Sandwich
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 between 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)

Rat NGF/NGF beta PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for NGF elisa kit	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.1 NGF, which is expressed by inflammatory cells and effects changes that lead to increased neural responsiveness, could be a pivotal mediator in allergic rhinitis.2 Principle of the Assay: The rat NGF ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for NGF has been precoated onto 96-well plates. Standards(NSO, S122-G241) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for NGF is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the rat NGF amount of sample captured in plate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1352495
NCBI GeneID	310738
UniProt Accession #	P25427
Molecular Weight	27,010 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; beta-NGF
NCBI Protein Information	beta-nerve growth factor
UniProt Protein Name	Beta-nerve growth factor
UniProt Gene Name	Ngf
UniProt Synonym Gene Names	Ngfb; Beta-NGF
UniProt Entry Name	NGF_RAT

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://www.aaabiotech.com/rat-elisa-kits/ngf-ngf-beta/45256>