

Rat Beta-nerve growth factor ELISA Kit | NGF/NGFbeta elisa kit

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CATALOG #
AAA99397

REACTIVITY
Rat

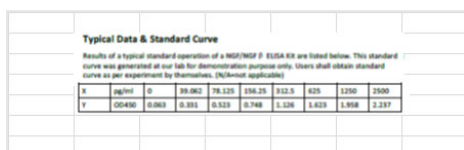
PRODUCT SYNONYMS

Beta-nerve growth factor; Rat Beta-nerve growth factor ELISA Kit; NGF/NGFb/NGFB/beta-nerve growth factor/Beta-NGF/HSAN5/nerve growth factor (beta polypeptide); NGF/NGFbeta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NGF/NGF?. No significant cross-reactivity or interference between NGF/NGF? and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between NGF/NGF? and all the analogues, therefore, cross reaction may still exist.
Sequence Length	241
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	39.063-2500pg/ml
Sensitivity	23.438pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NGF/NGF? were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NGF/NGF? were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NGF/NGFbeta elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-NGF/NGF? antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- NGF/NGF? antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 NGF/NGF? amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of NGF/NGF? can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	671883
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; HSN5; 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_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/ngf-ngfbeta-rat-elisa-kits/beta-nerve-growth-factor/99397>