

Rat Nerve Growth Factor ELISA Kit | NGF elisa kit

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CATALOG #
AAA85290

REACTIVITY
Rat

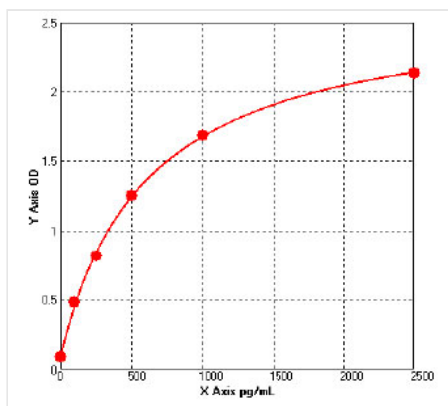
PRODUCT SYNONYMS

Nerve Growth Factor; Rat Nerve Growth Factor ELISA Kit; NGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NGF. No significant cross-reactivity or interference between NGF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NGF and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NGF elisa kit	Intended Uses: This NGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat NGF. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: NGF ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for NGF. Standards or samples are then added to the microtiter plate wells and NGF if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of NGF present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for NGF are added to each well to "sandwich" the NGF immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain NGF and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NGF concentration in each sample is interpolated from this standard curve.
Product Categories/Family for NGF elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	34192369
NCBI GeneID	4803
Molecular Weight	26,959 Da
NCBI Official Full Name	NGF protein, partial
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.