

Canine Nerve Growth Factor ELISA Kit | NGF elisa kit

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CATALOG #
AAA90368

REACTIVITY
Canine

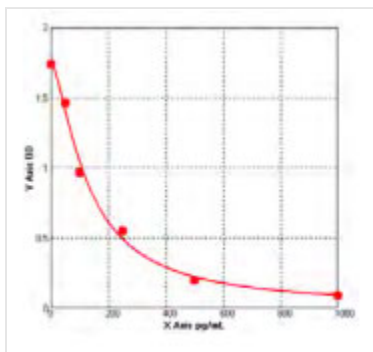
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
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.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/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	Principle of the Assay: NGF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NGF antibody and an NGF-HRP conjugate. The assay sample and buffer are incubated together with NGF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NGF concentration since NGF from samples and NGF-HRP conjugate compete for the anti-NGF antibody binding site. Since the number of sites is limited, as more sites are occupied by NGF from the sample, fewer sites are left to bind NGF-HRP conjugate. 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. Intended Uses: This NGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine NGF. This ELISA kit for research use only, not for therapeutic or test applications!
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; HSN5; 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.