

Goat Nerve Growth Factor ELISA Kit | NGF elisa kit

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CATALOG #
AAA89123

REACTIVITY
Goat

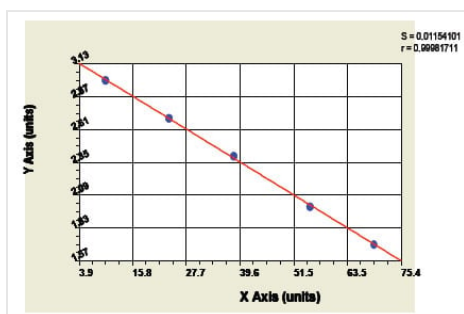
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL
Intended Uses	This NGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat NGF. This ELISA kit for research use only, not for therapeutic applications!
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 monoclonal 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.

Product Categories/Family for NGF elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	34192369
NCBI GeneID	4803
UniProt Accession #	P01138; Q6FHA0; Q96P60; Q9P2Q8; Q9UKL8; A1A4E5
Molecular Weight	26,959 Da
NCBI Official Full Name	NGF protein
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.

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Online datasheet: <https://stage.aaabiotech.com/ngf-goat-elisa-kits/nerve-growth-factor/89123>