

Rat NGF beta ELISA Kit | NGF elisa kit

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CATALOG # AAA105783	REACTIVITY Rat	APPLICATIONS ELISA
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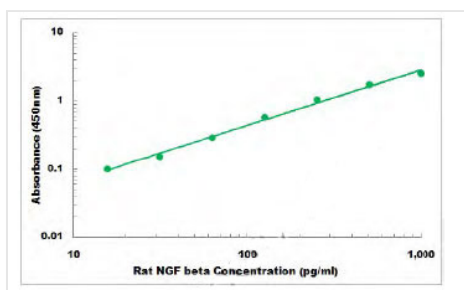
PRODUCT SYNONYMS

NGF beta; Rat NGF beta ELISA Kit; NGFB; Beta-nerve growth factor; Beta-NGF; NGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat IL-6 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat IL-6 proteins within the range of 62.5 pg/ml-4000 pg/ml.
Sequence Length	241
Samples	Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates
Sensitivity	30 pg/ml.
Applicable Applications for NGF elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NGF elisa kit	Principle of the Assay: The AAA Biotech's Rat IL-6 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat IL-6 in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Rat IL-6 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-6 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat IL-6 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IL-6 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm!! Background/Introduction: Interleukin 6 is a multifunctional cytokine that plays important roles in host defense, acute phase reactions, immune responses, nerve cell functions and hematopoiesis. IL-6 is a prototypic member of the IL-6 superfamily of cytokines that share gp130 as a component required for signal transduction. The rat, mouse and human IL-6 cDNAs have been cloned. Rat IL-6 cDNA encodes a 211 amino acid residue precursor polypeptide with a hydrophobic signal peptide that is cleaved to generate the 187 aa residue mature protein. At the protein sequence level, there is approximately 39% identity between rat and human, and 87% identity between mouse and rat IL-6. IL-6 is expressed by a variety of normal and transformed lymphoid and non-lymphoid cells. The production of IL-6 is up-regulated by numerous signals such as mitogenic or antigenic stimulation, lipopolysaccharides, calcium ionophores, cytokines and viruses. IL-4, IL-10 and IL-13 inhibit IL-6 expression in monocytes. Elevated serum IL-6 levels have been observed in a number of pathological conditions, including bacterial and viral infections, trauma, autoimmune diseases, inflammations and malignancies.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	456367246
NCBI GeneID	310738
NCBI Accession #	NP_001263984.1
NCBI GenBank Nucleotide #	NM_001277055.1
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://stage.aaabiotech.com/rat-elisa-kits/ngf-beta/105783>