

Rat NT-4 ELISA Kit | NT-4 elisa kit

NT-4 Rat ELISA Kit

CATALOG # AAA58996	REACTIVITY Rat	APPLICATIONS ELISA
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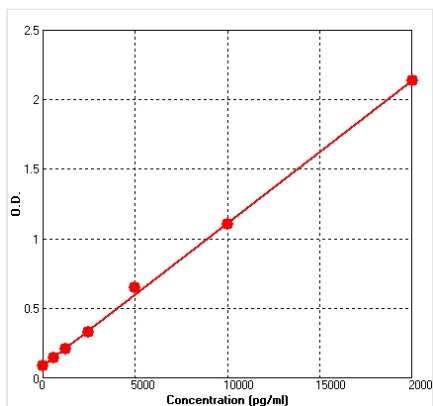
PRODUCT SYNONYMS

NT-4; NT-4 Rat ELISA Kit; Rat NT-4; NT-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Detection Range	600 pg/ml-20,000 pg/ml
Applicable Applications for NT-4 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NT-4 elisa kit

Principle of the Assay: This kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. The purified anti-NT-4 antibody was pre-coated onto 96-well plates. And the HRP conjugated anti-NT-4 antibody was used as detection antibodies. The standards, test samples and HRP conjugated detection antibody were added to the wells subsequently, mixed and incubated, then, unbound conjugates were washed away with wash buffer. TMB substrates (A & B) 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 NT-4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of NT-4 can be calculated.

Background: Neurotrophins act as survival and differentiation factors in the nervous system and have been detected in the developing rodent testis. Three additional structurally homologous neurotrophic factors have been identified. These include brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3) and neurotrophin-4 (NT-4) (also designated NT-5). Neurotrophin-4 (NT-4), is a neurotrophic factor that signals predominantly through the TrkB receptor tyrosine kinase. Mammalian NT4 had many unusual features compared to the previously identified neurotrophins and was less conserved evolutionarily than the others; however, mammalian NT4 displayed bioactivity and TRK receptor specificity similar to that of Xenopus NT4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453808
NCBI GeneID	4909
NCBI Accession #	NP_006170.1
NCBI GenBank Nucleotide #	NM_006179.4
UniProt Accession #	P34130 ; Q6FH56 ; AAB20549
Molecular Weight	22,427 Da
NCBI Official Full Name	neurotrophin-4 preproprotein
NCBI Official Synonym Full Names	neurotrophin 4
NCBI Official Symbol	NTF4
NCBI Official Synonym Symbols	NT4; NT5; NT-4; NT-5; NTF5; GLC10; GLC1O; NT-4/5
NCBI Protein Information	neurotrophin-4; neurotrophin-5; neutrophic factor 4; neurotrophic factor 4; neurotrophic factor 5; neurotrophin 5 (neurotrophin 4/5)
UniProt Protein Name	Neurotrophin-4
UniProt Gene Name	NTF4
UniProt Synonym Gene Names	NTF5; NT-4; NT-5
UniProt Entry Name	NTF4_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/rat-elisa-kits/nt-4/58996>