

Human NT-4 ELISA Kit | NTF4 elisa kit

Human NT-4 PicoKine ELISA Kit

CATALOG #
AAA45898

REACTIVITY
Human

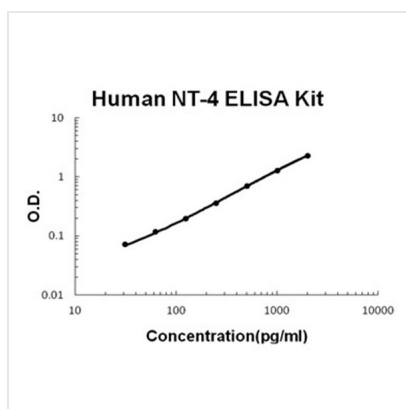
PRODUCT SYNONYMS

NT-4; Human NT-4 PicoKine ELISA Kit; Neurotrophin-4; neurotrophin 4; GLC10; GLC1O; Neurotrophic factor 4; Neurotrophic factor 5; Neurotrophin 5; Neurotrophin 5 (neurotrophin 4/5); Neurotrophin-5; Neurotrophic factor 4; Neurotrophic factor 5; NT 4; NT 4/5; NT 5; NT-5; NT4/5; NT4P; NT5; NTF4; NTF4_HUMAN; NTF5; NTF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human NT-4
Sequence Length	210
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human NT-4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for NTF4 elisa kit	Principle of the assay: human NT-4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for NT-4 has been precoated onto 96-well plates. Standards (sf21, G81-A210) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for NT-4 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 human NT-4 amount of sample captured in plate. Background: Neurotrophin-4 (NT-4), also known as neurotrophin-5 (NT-5), is a protein that in humans is encoded by the NTF4 gene. Human NT-4 as well as a human NT-4 pseudogene colocalize to chromosome 19 band q13.3. NT-4 is a member of a family of neurotrophic factors, the neurotrophins, that control survival and differentiation of vertebrate neurons (2-4). NT-4 is a neurotrophic factor that signals predominantly through the TrkB receptor tyrosine kinase. NT4 plays a physiological role essential for hippocampus- and amygdala-dependent long-term memory and hippocampal long-lasting LTP and that NT4 may be useful in the therapy of acquired disorders of learning and memory.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	462741
NCBI GeneID	4909
UniProt Accession #	P34130; Q6FH56; AAB20549
Molecular Weight	22,427 Da
NCBI Official Full Name	Neurotrophin-4
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/ntf4-human-elisa-kits/nt-4/45898>