

Neurotrophin-3 ELISA Kit | NTF3 elisa kit

Horse equine Neurotrophin-3 PicoKine ELISA Kit

CATALOG # AAA124783	REACTIVITY Equine There is cross-reactivity with NT-4	APPLICATIONS ELISA
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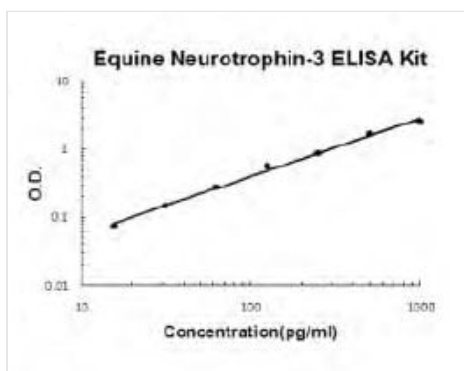
PRODUCT SYNONYMS

Neurotrophin-3; Horse equine Neurotrophin-3 PicoKine ELISA Kit; NT-3; HDNF; Nerve growth factor 2; NGF-2; Neurotrophic factor; NTF3; NTF3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Equine There is cross-reactivity with NT-4<2.5%, and no detectable cross-reactivity with any other cytokine.
Specificity	Natural and recombinant 216 Horse equine Neurotrophin-3
Sequence Length	270
Assay Type	Quantitative Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<2pg/ml
Applicable Applications for NTF3 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration weretested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration weretested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NTF3 elisa kit	Principle of the Assay: 216 Horse equine Neurotrophin-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Horse equine Neurotrophin-3 has been precoated onto 96-well plates. Standards(Expression system for standard: sf21; Immunogen sequence: Y139-T257) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Horse equine Neurotrophin-3 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 216 Horse equine Neurotrophin-3 amount of sample captured in plate. Background: Neurotrophin-3(NT-3) is a new member of the nerve growth factor gene family, which plays an important role in the development and maintenance of the vertebrate nervous system. NT-3 and its receptor, called neurotrophic tyrosine kinase receptor type 3(Ntrk3; also called TrkC), are expressed early and throughout embryogenesis. NT-3 is one of five neurotrophin growth factors which shape the development of the nervous system by regulating neuronal survival and differentiation. NT-3 may be one of the central nervous system-derived factors that mediate neural crest(NC) cell proliferation in vivo. NT-3 has been mapped to human chromosome 12p and mouse chromosome 6.1
Product Categories/Family for NTF3 elisa kit	Neuroscience; Neurology Process; Growth and Development; neurotrophins

NCBI AND UNIPROT INFORMATION

NCBI GI #	156630995
NCBI GeneID	4908
NCBI Accession #	NP_001096124.1
NCBI GenBank Nucleotide #	NM_001102654.1
UniProt Accession #	P20783; Q6FH50; B7Z1T5
Molecular Weight	29355 MW
NCBI Official Full Name	neurotrophin-3 isoform 1 preproprotein
NCBI Official Synonym Full Names	neurotrophin 3
NCBI Official Symbol	NTF3
NCBI Official Synonym Symbols	NT3; HDNF; NGF2; NT-3; NGF-2
NCBI Protein Information	neurotrophin-3
UniProt Protein Name	Neurotrophin-3
UniProt Gene Name	NTF3
UniProt Synonym Gene Names	NT-3; NGF-2

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/ntf3-equine-elisa-kits/neurotrophin-3/124783>