

Neurotrophin-3 ELISA Kit | Ntf3 elisa kit

Dog Canine Neurotrophin-3 PicoKine ELISA Kit

CATALOG # AAA124786	REACTIVITY Canine There is cross-reactivity with NT-4	APPLICATIONS ELISA
-------------------------------	---	------------------------------

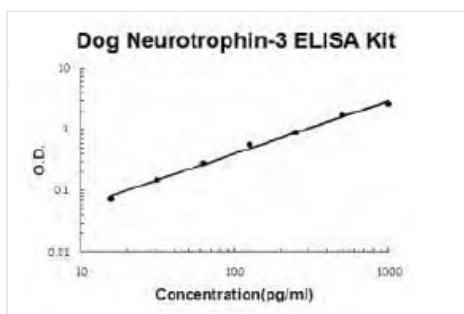
PRODUCT SYNONYMS

Neurotrophin-3; Dog Canine Neurotrophin-3 PicoKine ELISA Kit; NT-3; HDNF; Nerve growth factor 2; NGF-2; Neurotrophic factor; Ntf3; Ntf-3; Ntf3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine There is cross-reactivity with NT-4<2.5%, and no detectable cross-reactivity with any other cytokine.
Specificity	Natural and recombinant Dog Dog Canine Neurotrophin-3
Sequence Length	258
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: Dog Dog Canine Neurotrophin-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Dog Canine 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 Dog Canine 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 Dog Dog Canine 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 Dog Caninea chromosome 12p and Dog Caninea chromosome 6.
Product Categories/Family for Ntf3 elisa kit	Neuroscience; Neurology Process; Growth and Development; neurotrophins

NCBI AND UNIPROT INFORMATION

NCBI GI #	255708383
NCBI GeneID	18205
NCBI Accession #	NP_001157506.1
NCBI GenBank Nucleotide #	NM_001164034.1
UniProt Accession #	P20181
Molecular Weight	29588 MW
NCBI Official Full Name	neurotrophin-3 isoform a
NCBI Official Synonym Full Names	neurotrophin 3
NCBI Official Symbol	Ntf3
NCBI Official Synonym Symbols	Nt3; HDNF; NGF-2; Ntf-3; AI316846; AI835689
NCBI Protein Information	neurotrophin-3
UniProt Protein Name	Neurotrophin-3
UniProt Gene Name	Ntf3
UniProt Synonym Gene Names	Ntf-3; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ntf3-canine-elisa-kits/neurotrophin-3/124786>