

Human Neurotrophin-3 ELISA Kit | NTF3 elisa kit

Human Neurotrophin-3 PicoKine ELISA Kit

CATALOG #
AAA45288

REACTIVITY
Human

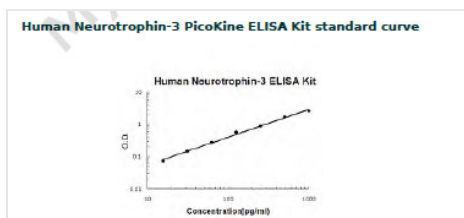
PRODUCT SYNONYMS

Neurotrophin-3; Human Neurotrophin-3 PicoKine ELISA Kit; neurotrophin 3; AI316846; AI835689; HDNF; MGC129711; Nerve growth factor 2; Neurotrophic factor; Neurotrophin 3 (HDNF/NT 3); Neurotrophin 3 precursor; Neurotrophin3; NGF 2; NGF2; NT3; NTF 3; NTF3; NTF3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human NTF3
Sequence Length	257
Samples	Cell culture supernates and serum
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<2pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess interassay precision.
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)

ADDITIONAL INFORMATION

Related Product Information for NTF3 elisa kit	Principle of the Assay: The Picokine™ Human NTF3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human NTF3 with a 96-well strip plate that is pre-coated with antibody specific for NTF3. The detection antibody is a biotinylated antibody specific for NTF3. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human NTF3 with immunogen: Expression system for standard: sf21; Immunogen sequence: Y139-T257. The kit is analytically validated with ready to use reagents. To measure Human NTF3, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human NTF3 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human NTF3 in the sample.!!Background/Introduction: 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
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	128581
NCBI GeneID	4908
UniProt Accession #	P20783; Q6FH50; B7Z1T5
Molecular Weight	30,800 Da
NCBI Official Full Name	Neurotrophin-3
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; neurotrophic factor; nerve growth factor 2
UniProt Protein Name	Neurotrophin-3
UniProt Gene Name	NTF3
UniProt Synonym Gene Names	NT-3; NGF-2
UniProt Entry Name	NTF3_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.