

Datasheet for ABIN6719810 **Neurotrophin 3 ELISA Kit**

1 Image



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Overview

Quantity:	1 kit
Target:	Neurotrophin 3 (NTF3)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 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</p> <p>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</p>

Product Details

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

Gene Name: NTF3

Production: Natural and recombinant human Neurotrophin-3. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: sf21, Immunogen sequence: Y139-T257

Target Details

Target: Neurotrophin 3 (NTF3)

Alternative Name: Neurotrophin-3 ([NTF3 Products](#))

Gene ID: 4908

NCBI Accession: [NP_001096124](#)

UniProt: [P20783](#)

Pathways: [RTK Signaling, Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL human Neurotrophin-3 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernatants or serum to each empty well. It is recommended that each human Neurotrophin-3 standard solution and each sample be measured in duplicate.

ELISA Dilution: 15.6pg/mL-1000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

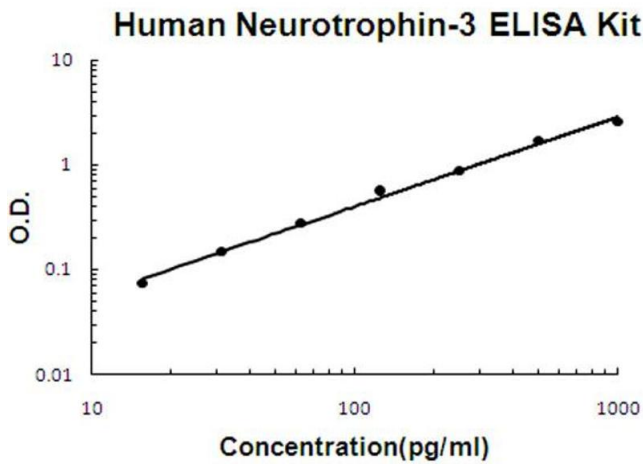
Handling

Storage: RT,4 °C,-20 °C

Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human Neurotrophin-3 Accusignal ELISA Kit Human Neurotrophin-3 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <2pg/ml.