

## Datasheet for ABIN6719811 **Neurotrophin 3 ELISA Kit**



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	1 kit
Target:	Neurotrophin 3 (NTF3)
Reactivity:	Rat
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, NTF5</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

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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.

Gene Name: NTF3

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

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

## Target Details

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Target: Neurotrophin 3 (NTF3)

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

Gene ID: 81737

NCBI Accession: [NP\\_001257797](#)

UniProt: [P18280](#)

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

## Application Details

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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 rat 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 rat cell culture supernatants or serum to each empty well. It is recommended that each rat 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

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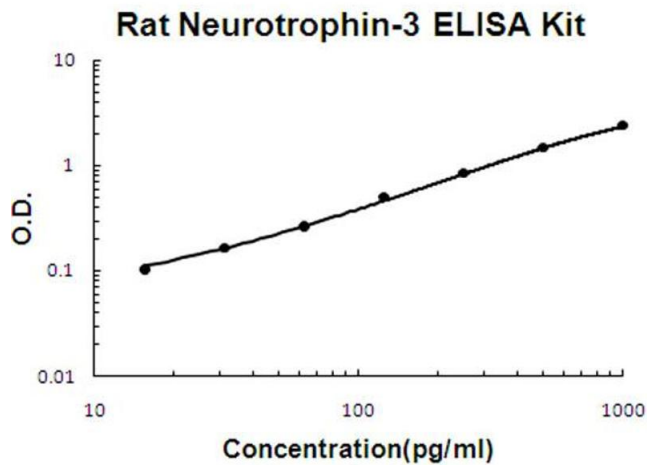
Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at

## Handling

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