

Datasheet for ABIN6719849
Neurotrophin 4 ELISA Kit



[Go to Product page](#)

1 Image

Overview

Quantity:	1 kit
Target:	Neurotrophin 4 (NTF4)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 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: GLC10, GLC10, Neurotrophic factor 4, Neurotrophic factor 5, Neurotrophin 5, Neurotrophin 5 (neurotrophin 4/5), Neurotrophin-4, Neurotrophin-5, Neurotrophic factor 4, Neurotrophic factor 5, NT 4, NT 4/5, NT 5, NT-4, NT-5, NT4/5, NT4P, NT5, NTF4, NTF4_HUMAN, NTF5</p> <p>Background: Neurotrophin-4(NT-4), also known as neurotrophin-5(NT-5), is a protein that in humans is encoded by the NTF4 gene. Human NT-4 as well as a human NT-4 pseudogene colocalize to chromosome 19 band q13.3. NT-4 is a member of a family of neurotrophic factors, the neurotrophins, that control survival and differentiation of vertebrate neurons(2-4).</p>

Product Details

NT-4 is a neurotrophic factor that signals predominantly through the TrkB receptor tyrosine kinase. NT4 plays a physiological role essential for hippocampus- and amygdala-dependent long-term memory and hippocampal long-lasting LTP and that NT4 may be useful in the therapy of acquired disorders of learning and memory.

Gene Name: NTF4

Production: Natural and recombinant human NT-4. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: sf21, Immunogen sequence: G81-A210

Target Details

Target: Neurotrophin 4 (NTF4)

Alternative Name: NT-4 ([NTF4 Products](#))

Gene ID: 4909

NCBI Accession: [NP_006170](#)

UniProt: [P34130](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human NT-4 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 supernates or serum to each empty well. It is recommended that each human NT-4 standard solution and each sample be measured in duplicate.

ELISA Dilution: 31.2pg/mL-2000pg/mL

Sample Volume: 100 μ L

Plate: Pre-coated

Restrictions: For Research Use only

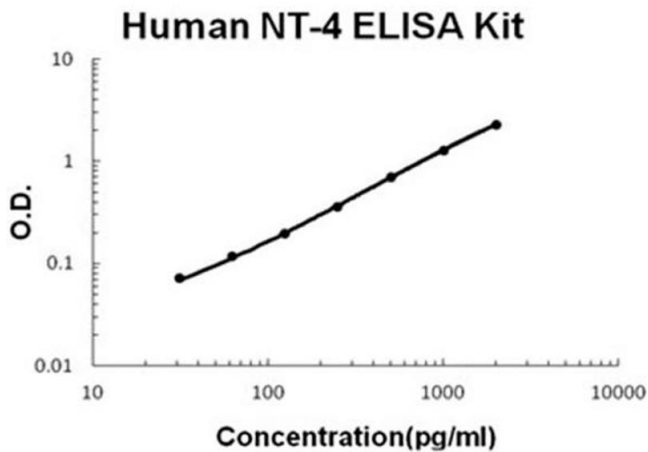
Handling

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 NT-4 Accusignal ELISA Kit Human NT-4 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.