.-online.com antibodies

Datasheet for ABIN411338 Neurotrophin 3 ELISA Kit

1 Image

4 Publications



Overview

Quantity:	96 tests
Target:	Neurotrophin 3 (NTF3)
Binding Specificity:	AA 139-257
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6-1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human Neurotrophin-3
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Immunogen:	Expression system for standard: sf21 Immunogen sequence: Y139-T257
Specificity:	Expression system for standard: sf21 Immunogen sequence: Y139-T257
Cross-Reactivity (Details):	There is cross-reactivity with NT-4<2.5 % , and no detectable cross-reactivity with any other

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN411338 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

Product Details

	cytokine.
Predicted Reactivity:	Bovine,Chicken,Horse,Monkey,Rabbit
Sensitivity:	<2pg/mL
Material not included:	Microplate reader in standard size. Automated plate washer. Adjustable pipettes and pipette tips. Multichannel pipettes are recommended in the condition of large amount of samples in the detection. Clean tubes and Eppendorf tubes. Washing buffer (neutral PBS or TBS). Preparation of 0.01M TBS: Add 1.2g Tris, 8.5g Nacl

Target Details

Target:	Neurotrophin 3 (NTF3)
Alternative Name:	NTF3 (NTF3 Products)
Background:	Protein Function: Seems to promote the survival of visceral and proprioceptive sensory
	neurons.
	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
	human chromosome 12p and mouse chromosome 6.1
	Synonyms: Neurotrophin-3,NT-3,HDNF,Nerve growth factor 2,NGF-2,Neurotrophic factor,NTF3,
	Full Gene Name: Neurotrophin-3
	Cellular Localisation: Secreted.
Gene ID:	4908
UniProt:	P20783
Pathways:	RTK Signaling, Neurotrophin Signaling Pathway
Application Details	
Application Notes:	Before using Kit, spin tubes and bring down all components to bottom of tube. Duplicate well
	assay was recommended for both standard and sample testing.
Comment:	Tissue Specificity: Brain and peripheral tissues.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN411338 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

Plate:	Pre-coated
Protocol:	human Neurotrophin-3 ELISA Kit was based on standard sandwich enzyme-linked immune- sorbent assay technology. A monoclonal antibody from mouse specific for Neurotrophin-3 has been precoated onto 96-well plates. Standards(sf21, Y139-T257) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for 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 human Neurotrophin-3 amount of sample captured in plate.
Assay Procedure:	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. See "Sample Dilution Guideline" above for details. It is recommended that each human Neurotrophin-3 standard solution and each sample be measured in duplicate.
Assay Precision:	 Sample 1: n=16, Mean(pg/ml): 93, Standard deviation: 4, CV(%): 4.3 Sample 2: n=16, Mean(pg/ml): 357, Standard deviation: 17.5, CV(%): 4.9 Sample 3: n=16, Mean(pg/ml): 657, Standard deviation: 34.2, CV(%): 5.2, Sample 1: n=24, Mean(pg/ml): 146, Standard deviation: 7.88, CV(%): 5.4 Sample 2: n=24, Mean(pg/ml): 375, Standard deviation: 22.9, CV(%): 6.1 Sample 3: n=24, Mean(pg/ml): 732, Standard deviation: 47.58, CV(%): 6.5
Restrictions:	For Research Use only
Handling	
Handling Advice:	Avoid multiple freeze-thaw cycles.
Storage:	-20 °C,4 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles
Expiry Date:	12 months
Publications	
Product cited in:	Martin, Koczera, Simons, Zechendorf, Hoeger, Marx, Schuerholz: "The Human Host Defense

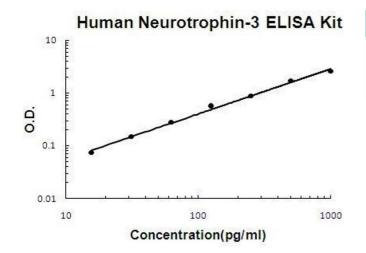
Application Details

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/4 | Product datasheet for ABIN411338 | 09/12/2023 | Copyright antibodies-online. All rights reserved. Ribonucleases 1, 3 and 7 Are Elevated in Patients with Sepsis after Major Surgery–A Pilot Study." in: **International journal of molecular sciences**, Vol. 17, Issue 3, pp. 294, (2016) (PubMed).

Kasiri, Beer, Nemec, Gruber, Pietkiewicz, Haider, Simader, Traxler, Schweiger, Janik, Taghavi, Gabriel, Mildner, Ankersmit: "Dying blood mononuclear cell secretome exerts antimicrobial activity." in: **European journal of clinical investigation**, Vol. 46, Issue 10, pp. 853-63, (2016) (PubMed).

Teran, Ramirez-Jimenez, Soid-Raggi, Velazquez: "Interleukin 16 and CCL17/thymus and activation-regulated chemokine in patients with aspirin-exacerbated respiratory disease." in: Annals of allergy, asthma & immunology : official publication of the American College of Allergy, Asthma, & Immunology, Vol. 118, Issue 2, pp. 191-196, (2016) (PubMed).

Images



ELISA

Image 1. Human Neurotrophin-3 PicoKine ELISA Kit standard curve

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN411338 | 09/12/2023 | Copyright antibodies-online. All rights reserved.