

Datasheet for ABIN6719812 **NGFB ELISA Kit**

1 Image



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Overview

Quantity:	1 kit
Target:	NGFB
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: Beta nerve growth factor, Beta NGF, HSAN5, MGC161426, MGC161428, Nerve growth factor (beta polypeptide), Nerve growth factor beta polypeptide, Nerve growth factor beta subunit, NGFB, NID69</p> <p>Background: Nerve growth factor(NGF) is a polypeptide involved in the regulation of growth and differentiation of sympathetic and certain sensory neurons. NGF is thought to have a profound effect on the development and maintenance of sympathetic and embryonic sensory neurones. NGF activity isolated from the male mouse submaxillary gland(MSG) consists of three types of subunits, alpha, beta and gamma, which specifically interact to form a 7S, approximately</p>

Product Details

130,000-molecular weight(Mr) complex. The 7S complex contains two identical 118-amino acid beta-chains, which are solely responsible for the nerve growth-stimulating activity of NGF. NGF, which is expressed by inflammatory cells and effects changes that lead to increased neural responsiveness, could be a pivotal mediator in allergic rhinitis.

Gene Name: NGF

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

Standard: Expression system for standard: E.coli, Immunogen sequence: S122-G241

Target Details

Target: NGFB

Alternative Name: NGF - NGF beta ([NGFB Products](#))

Gene ID: 310738

NCBI Accession: [NP_001263984](#)

UniProt: [P25427](#)

Pathways: [NF-kappaB Signaling](#), [RTK Signaling](#), [Regulation of Cell Size](#)

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 rat NGF 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 NGF 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

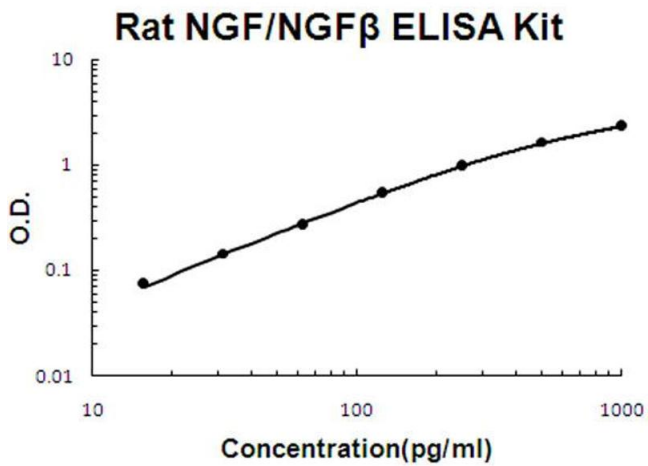
Handling

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. Rat NGF/NGF beta Accusignal ELISA Kit Rat NGF/NGF beta AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.