

ARG82902 Monkey beta NGF ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82902 Monkey beta NGF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Monkey beta NGF in serum and cell culture supernatants.
Tested Reactivity	Mk
Tested Application	ELISA
Specificity	There is no significant cross-reactivity or interference between NGF and its analogs was observed. This claim is limited by existing techniques therefore cross-reactivity may exist with untested analogs.
Target Name	beta NGF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 7%; Inter-Assay CV: 7.8%
Alternate Names	HSAN5; Beta-nerve growth factor; Beta-NGF; NGFB

Application Instructions

Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NGF
Gene Full Name	nerve growth factor (beta polypeptide)
Background	This gene is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth stimulating activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and certain sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic

rhinitis. [provided by RefSeq, Jul 2008]

Function

Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. Extracellular ligand for the NTRK1 and NGFR receptors, activates cellular signaling cascades through those receptor tyrosine kinase to regulate neuronal proliferation, differentiation and survival. Inhibits metalloproteinase dependent proteolysis of platelet glycoprotein VI. [UniProt]

Highlight

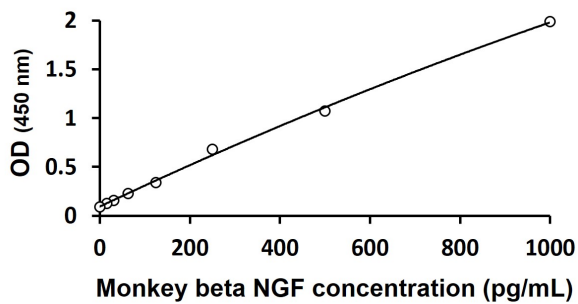
Related products:

[beta NGF antibodies](#); [beta NGF ELISA Kits](#); [beta NGF recombinant proteins](#);

New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Images



ARG82902 Monkey beta NGF ELISA Kit standard curve image

ARG82902 Monkey beta NGF ELISA Kit results of a typical standard run with optical density reading at 450 nm.