

ARG80133 Human beta NGF ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80133-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80133-002	Standard (Lyophilized)	3 X 1.2 ng/vial	4°C
ARG80133-003	Standard diluent buffer	20 ml	4°C
ARG80133-004	Antibody conjugate concentrate	400 µl	4°C
ARG80133-005	Antibody diluent buffer	16 ml	4°C
ARG80133-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80133-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80133-008	20X Wash buffer	50 ml	4°C
ARG80133-009	TMB substrate	12ml	4°C (Protect from light)
ARG80133-010	STOP solution	12ml	4°C
ARG80133-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80133 Human beta NGF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human beta NGF in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human Artemin, BDNF, CNTF, EG-VEGF, EGF, NT-3, NT-4, OPG, FGF-9, Galectin-1, GDNF, Midkine, Neurturin, Persephin, Pleiotrophin, RELM- beta, Resistin, VEGF β rat CNTF
Target Name	beta NGF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	4 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants

Standard Range	7.8 - 500 pg/ml
Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	HSAN5; Beta-nerve growth factor; Beta-NGF; NGFB

Application Instructions

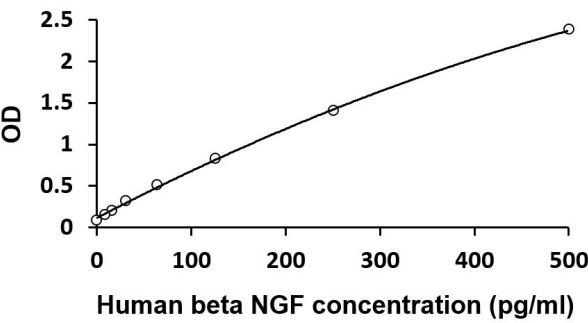
Assay Time	4 hours
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Properties

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 (PubMed:20164177). [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
Research Area	Neuroscience kit



ARG80133 Human beta NGF ELISA Kit standard curve image

ARG80133 Human beta NGF ELISA Kit results of a typical standard run with optical density reading at 450 nm.