

ARG82079 Rat CNTF ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82079-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82079-002	Standard	2 X 10 ng/vial	4°C
ARG82079-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82079-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82079-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82079-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82079-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82079-008	25X Wash buffer	20 ml	4°C
ARG82079-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82079-010	STOP solution	10 ml (Ready to use)	4°C
ARG82079-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82079 Rat CNTF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat CNTF in serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CNTF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.4%; Inter-Assay CV: 7.4%
Alternate Names	HCNTF; CNTF; Ciliary neurotrophic factor

Application Instructions

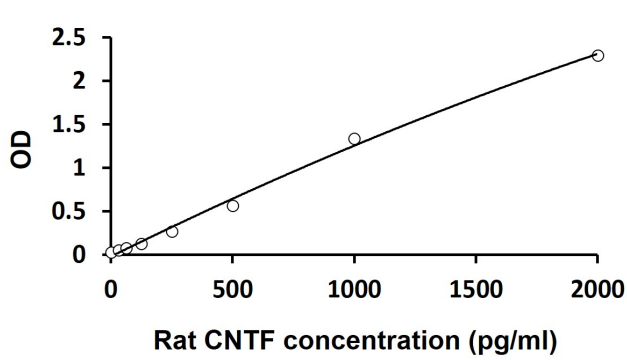
Assay Time	~ 5 hours
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Properties

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	CNTF
Gene Full Name	ciliary neurotrophic factor
Background	The protein encoded by this gene is a polypeptide hormone whose actions appear to be restricted to the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. The protein is a potent survival factor for neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. A mutation in this gene, which results in aberrant splicing, leads to ciliary neurotrophic factor deficiency, but this phenotype is not causally related to neurologic disease. A read-through transcript variant composed of the upstream ZFP91 gene and CNTF sequence has been identified, but it is thought to be non-coding. Read-through transcription of ZFP91 and CNTF has also been observed in mouse. [provided by RefSeq, Oct 2010]
Function	CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy. [UniProt]
Highlight	Related products: CNTF antibodies ; CNTF ELISA Kits ; CNTF recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Cytoplasm. [UniProt]



ARG82079 Rat CNTF ELISA Kit standard curve image

ARG82079 Rat CNTF ELISA Kit results of a typical standard run with optical density reading at 450 nm.