

ARG82008 Mouse CNTF ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82008 Mouse CNTF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CNTF in serum and plasma.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	The following recombinant Mouse proteins were tested and exhibited no cross-reactivity or interference: BMP1, BMP2, BMP4, HGF, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL13, IL15, IFN gamma, MMP2, PDGF AA, PDGF BB, TGF beta 1, TGF beta 2, TGF beta 3, TLR1, TLR2, TLR3, TNF alpha, TNF RI, TNF RII, sIL2R, sIL6R and VEGF.
Target Name	CNTF
Conjugation	HRP
Conjugation Note	Read at 450 nm.
Sensitivity	6 pg/ml
Sample Type	Serum and plasma
Standard Range	31 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5%; Inter-Assay CV: 9%
Alternate Names	HCNTF; CNTF; Ciliary neurotrophic factor

Application Instructions

Assay Time	~ 3 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

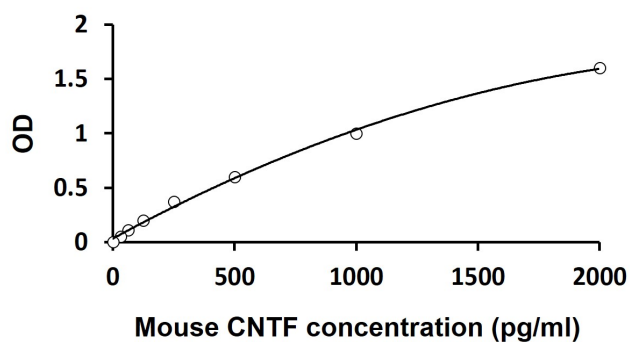
be relevant in reducing tissue destruction during inflammatory attacks. A mutation in this gene, which results in aberrant splicing, leads to ciliary neurotrophic factor deficiency, but this phenotype is not causally related to neurologic disease. A read-through transcript variant composed of the upstream 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]

Images



ARG82008 Mouse CNTF ELISA Kit standard curve image

ARG82008 Mouse CNTF ELISA Kit results of a typical standard run with optical density reading at 450 nm.