

CNTF mouse monoclonal antibody (hybridoma)

Catalog # H00001270-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant CNTF.
Immunogen	CNTF (NP_000605.1, 1 a.a. ~ 200 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAFTEHSPLTPHRRDLCSRSIWLARKIRSDLTALTESYVKHQGLNKNINLDSADGMPVASTDQWS ELTEAERLQENLQAYRTFHVLLARLLEDQQVHFTPTGDFHQAIHTLLLQVAAYQIEELMILLEYK IPRNEADGMPINVGDGGLFEKKLWGLKVLQELSQWTVRSIHDLRFISSHQTGIPARGSHYIANNKK M
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CNTF

Entrez GeneID [1270](#)

GeneBank Accession# [NM_000614.2](#)

Protein Accession# [NP_000605.1](#)

Gene Name CNTF

Gene Alias HCNTF

Gene Description ciliary neurotrophic factor

Omim ID [118945](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 ZFP91 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]

Other Designations OTTHUMP00000174731

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)

- [Disease Models](#)
- [Eating Disorders](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Obesity](#)
- [Overweight](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)
- [Weight Loss](#)