

Rat Ciliary Neurotrophic Factor (CNTF) ELISA Kit | CNTF elisa kit

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CATALOG #
AAA137901

REACTIVITY
Rat

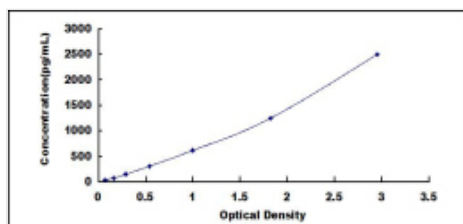
PRODUCT SYNONYMS

Ciliary Neurotrophic Factor (CNTF); Rat Ciliary Neurotrophic Factor (CNTF) ELISA Kit; HCNTF; CNTF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Ciliary Neurotrophic Factor (CNTF). No significant cross-reactivity or interference between Ciliary Neurotrophic Factor (CNTF) and analogues was observed.
Sequence Length	200
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	39-2,500pg/mL
Sensitivity	17pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Ciliary Neurotrophic Factor (CNTF) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Ciliary Neurotrophic Factor (CNTF) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNTF elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ciliary Neurotrophic Factor (CNTF). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ciliary Neurotrophic Factor (CNTF). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Ciliary Neurotrophic Factor (CNTF), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Ciliary Neurotrophic Factor (CNTF) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CNTF elisa kit	Cytokine; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758020
NCBI GeneID	1270
NCBI Accession #	NP_000605.1
NCBI GenBank Nucleotide #	NM_000614.3
UniProt Accession #	P26441; B2RAB2
Molecular Weight	22,931 Da
NCBI Official Full Name	ciliary neurotrophic factor
NCBI Official Synonym Full Names	ciliary neurotrophic factor
NCBI Official Symbol	CNTF
NCBI Official Synonym Symbols	HCNTF
NCBI Protein Information	ciliary neurotrophic factor
UniProt Protein Name	Ciliary neurotrophic factor
UniProt Gene Name	CNTF
UniProt Synonym Gene Names	CNTF
UniProt Entry Name	CNTF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/ciliary-neurotrophic-factor-cntf/137901>