

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

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CATALOG #
AAA64593

REACTIVITY
Porcine

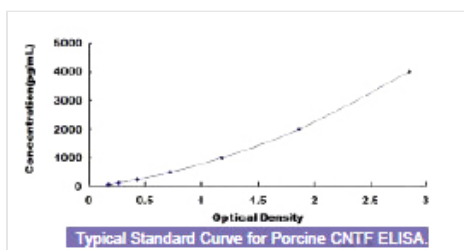
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of CNTF. No significant cross-reactivity or interference between CNTF and analogues was observed.
Sequence Length	200
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	22.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CNTF were tested 20 times on one plate, respectively. Intra-Assay: CV<10
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CNTF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNTF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CNTF in porcine serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CNTF. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 CNTF in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	311247699
NCBI GeneID	100518821
NCBI Accession #	XP_003122755.1
NCBI GenBank Nucleotide #	XP_003122755.1
UniProt Accession #	F1RMF2; O02732
Molecular Weight	22,732 Da
NCBI Official Full Name	ciliary neurotrophic factor
NCBI Official Symbol	CNTF
NCBI Protein Information	ciliary neurotrophic factor
UniProt Protein Name	Ciliary neurotrophic factor
UniProt Gene Name	CNTF

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.