

Canine Ciliary Neurotrophic Factor ELISA Kit | CNTF elisa kit

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CATALOG #
AAA93010

REACTIVITY
Canine

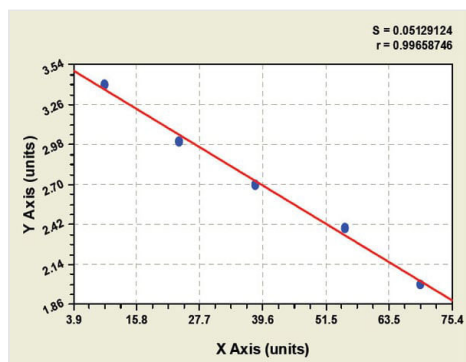
PRODUCT SYNONYMS

Ciliary Neurotrophic Factor; Canine Ciliary Neurotrophic Factor ELISA Kit; CNTF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNTF elisa kit

Intended Uses: This CNTF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CNTF. This ELISA kit for research use only!

Principle of the Assay: CNTF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CNTF antibody and an CNTF-HRP conjugate. The assay sample and buffer are incubated together with CNTF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CNTF concentration since CNTF from samples and CNTF-HRP conjugate compete for the anti-CNTF antibody binding site. Since the number of sites is limited, as more sites are occupied by CNTF from the sample, fewer sites are left to bind CNTF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CNTF concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758020
NCBI GeneID	1270
NCBI Accession #	NP_000605.1
NCBI GenBank Nucleotide #	NM_000614.3
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.