

Canine Ciliary neurotrophic factor receptor ELISA Kit | CNTFR elisa kit

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CATALOG #
AAA91426

REACTIVITY
Canine

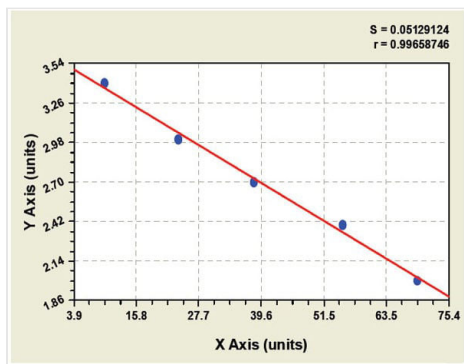
PRODUCT SYNONYMS

Ciliary neurotrophic factor receptor; Canine Ciliary neurotrophic factor receptor ELISA Kit; CNTFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This CNTFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CNTFR. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNTFR elisa kit

Principle of the Assay: CNTFR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CNTFR antibody and an CNTFR-HRP conjugate. The assay sample and buffer are incubated together with CNTFR-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 CNTFR concentration since CNTFR from samples and CNTFR-HRP conjugate compete for the anti-CNTFR antibody binding site. Since the number of sites is limited, as more sites are occupied by CNTFR from the sample, fewer sites are left to bind CNTFR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CNTFR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	333108228
NCBI GeneID	1271
NCBI Accession #	NP_001193940.1
NCBI GenBank Nucleotide #	NM_001207011.1
Molecular Weight	40,633 Da
NCBI Official Full Name	ciliary neurotrophic factor receptor subunit alpha preproprotein
NCBI Official Synonym Full Names	ciliary neurotrophic factor receptor
NCBI Official Symbol	CNTFR
NCBI Protein Information	ciliary neurotrophic factor receptor subunit alpha; CNTFR-alpha; CNTF receptor subunit alpha
UniProt Protein Name	Ciliary neurotrophic factor receptor subunit alpha
UniProt Gene Name	CNTFR
UniProt Synonym Gene Names	CNTF receptor subunit alpha; CNTFR-alpha
UniProt Entry Name	CNTFR_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/cntfr-canine-elisa-kits/ciliary-neurotrophic-factor-receptor/91426>