

Canine Cardiotrophin 1 ELISA Kit | CT1 elisa kit

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CATALOG #
AAA89794

REACTIVITY
Canine

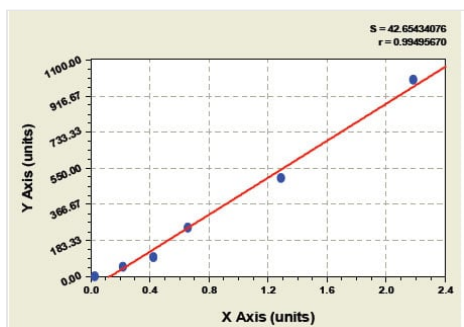
PRODUCT SYNONYMS

Cardiotrophin 1; Canine Cardiotrophin 1 ELISA Kit; CT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CT1. 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 CT1 elisa kit

Principle of the Assay: CT1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CT1. Standards or samples are then added to the microtiter plate wells and CT1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CT1 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for CT1 are added to each well to "sandwich" the CT1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CT1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CT1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	162461272
NCBI GeneID	542369
NCBI Accession #	NP_001105415.1
NCBI GenBank Nucleotide #	NM_001111945.1
Molecular Weight	56,877 Da
NCBI Official Full Name	catalase isozyme 1
NCBI Official Symbol	cat1
NCBI Official Synonym Symbols	catalase-1
NCBI Protein Information	catalase isozyme 1; Ct1; Cat0; SOG0135; rz508 PCR; rz508_PCR; catalase-1 (AA 1-492)
UniProt Protein Name	Catalase isozyme 1
UniProt Gene Name	CAT1
UniProt Entry Name	CATA1_MAIZE

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.