

Canine Calcitonin ELISA Kit | CT elisa kit

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CATALOG #
AAA91620

REACTIVITY
Canine

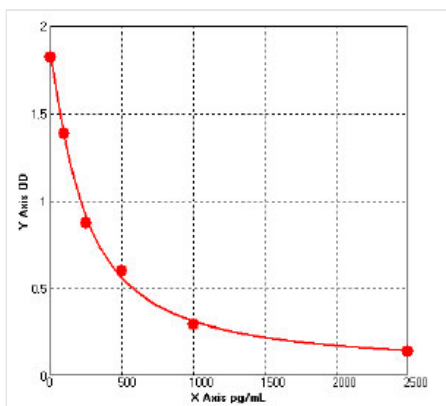
PRODUCT SYNONYMS

Calcitonin; Canine Calcitonin ELISA Kit; CT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CT. No significant cross-reactivity or interference between CT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CT elisa kit	Intended Uses: This CT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CT. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CT antibody and an CT-HRP conjugate. The assay sample and buffer are incubated together with CT-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 CT concentration since CT from samples and CT-HRP conjugate compete for the anti-CT antibody binding site. Since the number of sites is limited, as more sites are occupied by CT from the sample, fewer sites are left to bind CT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CT concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CT elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	179820
NCBI GeneID	796
Molecular Weight	13,898 Da
NCBI Official Full Name	calcitonin
NCBI Official Synonym Full Names	calcitonin-related polypeptide alpha
NCBI Official Symbol	CALCA
NCBI Official Synonym Symbols	CT; KC; CGRP; CALC1; CGRP1; CGRP-I
NCBI Protein Information	calcitonin; calcitonin gene-related peptide 1; katalcalcin; calcitonin 1; alpha-type CGRP; calcitonin gene-related peptide I; calcitonin/calcitonin-related polypeptide, alpha
UniProt Protein Name	Calcitonin
UniProt Gene Name	CALCA
UniProt Synonym Gene Names	CALC1; CCP
UniProt Entry Name	CALC_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/ct-canine-elisa-kits/calcitonin/91620>