

Canine Cardiac Troponin C ELISA Kit | cTnC elisa kit

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CATALOG #
AAA247445

REACTIVITY
Canine

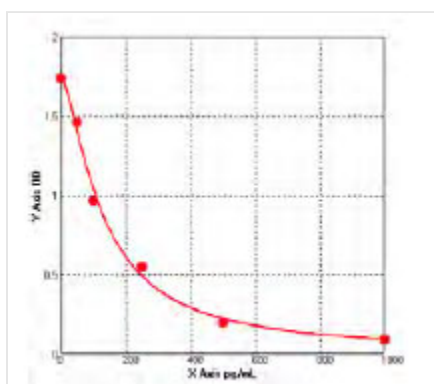
PRODUCT SYNONYMS

Cardiac Troponin C; Canine Cardiac Troponin C ELISA Kit; cTnC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of TNNC1. No significant cross-reactivity or interference between TNNC1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TNNC1 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	161
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for cTnC elisa kit	Intended Uses: This TNNC1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TNNC1. This ELISA kit for research use only! Principle of the Assay: TNNC1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TNNC1 antibody and an TNNC1-HRP conjugate. The assay sample and buffer are incubated together with TNNC1-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 TNNC1 concentration since TNNC1 from samples and TNNC1-HRP conjugate compete for the anti-TNNC1 antibody binding site. Since the number of sites is limited, as more sites are occupied by TNNC1 from the sample, fewer sites are left to bind TNNC1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TNNC1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for cTnC elisa kit	Signal Transduction; Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	28822163
NCBI GeneID	353247
Molecular Weight	18,482 Da
NCBI Official Full Name	cardiac troponin C
NCBI Official Synonym Full Names	troponin C type 1a (slow)
NCBI Official Symbol	tnnc1a
NCBI Official Synonym Symbols	cTnC; tnnc1; zgc:103465
NCBI Protein Information	troponin C, slow skeletal and cardiac muscles
UniProt Protein Name	Cardiac troponin C
UniProt Gene Name	tnnc1a
UniProt Synonym Gene Names	tnnc1ImportedAutomatic assertion inferred from database entriesZFIN:ZDB-GENE-030523-1

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.