

Rat Cardiac Isoform Of Troponin T (cTnT) ELISA Kit | cTnT elisa kit

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CATALOG # AAA330189	REACTIVITY Rat
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PRODUCT SYNONYMS

Cardiac Isoform Of Troponin T (cTnT); Rat Cardiac Isoform Of Troponin T (cTnT) ELISA Kit; TNNT2; CMH2; CMPD2; MGC3889; RCM3; TnTC; cTnT; OTTHUMP00000033864; OTTHUMP00000033867; cardiomyopathy; dilated 1D (autosomal dominant); hypertrophic 2; troponin T type 2; cardiac; troponin T; ca; cTnT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Cardiac isoform of Troponin T (cTnT) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TNNT2. No significant cross-reactivity or interference between Rat TNNT2 and analogues was observed.
Sequence Length	301
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat Cardiac isoform of Troponin T (cTnT) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for cTnT elisa kit	Description: This Rat Cardiac isoform of Troponin T (cTnT) ELISA Kit employs a two-site sandwich ELISA to quantitate TNNT2 in samples. An antibody specific for TNNT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNNT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNNT2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TNNT2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TNNT2 is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1717771
NCBI GeneID	100009428
UniProt Accession #	P09741
NCBI Official Full Name	Troponin T, cardiac muscle
NCBI Official Symbol	TNNT2
NCBI Protein Information	troponin T, cardiac muscle
UniProt Protein Name	Troponin T, cardiac muscle
UniProt Gene Name	TNNT2
UniProt Synonym Gene Names	TnTc; cTnT

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/rat-elisa-kits/cardiac-isoform-of-troponin-t-ctnt/330189>