

Mouse Cardiac Troponin T ELISA Kit | cTnT elisa kit

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CATALOG #
AAA16292

REACTIVITY
Mouse

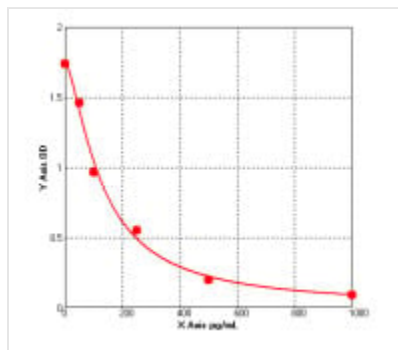
PRODUCT SYNONYMS

Cardiac Troponin T; Mouse Cardiac Troponin T ELISA Kit; cTnT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of cTnT. No significant cross-reactivity or interference between cTnT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between cTnT and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 cTnT elisa kit	Principle of the Assay: cTnT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-cTnT antibody and an cTnT-HRP conjugate. The assay sample and buffer are incubated together with cTnT-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 cTnT concentration since cTnT from samples and cTnT-HRP conjugate compete for the anti-cTnT antibody binding site. Since the number of sites is limited, as more sites are occupied by cTnT from the sample, fewer sites are left to bind cTnT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The cTnT concentration in each sample is interpolated from this standard curve. Intended Uses: This cTnT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse cTnT. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for cTnT elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	15290516
NCBI GeneID	7139
Molecular Weight	30,681 Da
NCBI Official Full Name	cardiac troponin T
NCBI Official Synonym Full Names	troponin T type 2 (cardiac)
NCBI Official Symbol	TNNT2
NCBI Official Synonym Symbols	CMH2; RCM3; TnTC; cTnT; CMD1D; CMPD2; LVNC6
NCBI Protein Information	troponin T, cardiac muscle; troponin T2, cardiac; cardiomyopathy, hypertrophic 2; cardiomyopathy, dilated 1D (autosomal dominant)
UniProt Protein Name	Troponin T, cardiac muscle
UniProt Gene Name	TNNT2
UniProt Synonym Gene Names	TnTc; cTnT
UniProt Entry Name	TNNT2_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.