

Mouse Troponin T ELISA Kit | TNT elisa kit

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CATALOG #
AAA247371

REACTIVITY
Mouse

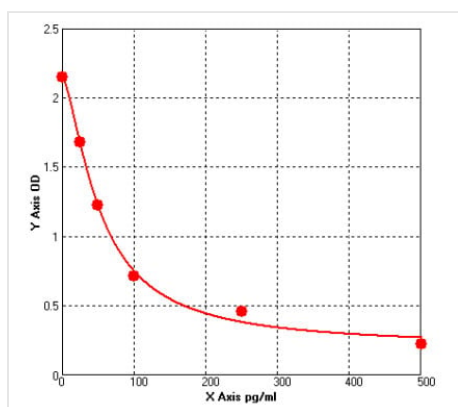
PRODUCT SYNONYMS

Troponin T; Mouse Troponin T ELISA Kit; TNT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of TnT. No significant cross-reactivity or interference between TnT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TnT and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	28
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 TNT elisa kit	Principle of the Assay: TnT ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TnT antibody and an TnT-HRP conjugate. The assay sample and buffer are incubated together with TnT-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 TnT concentration since TnT from samples and TnT-HRP conjugate compete for the anti-TnT antibody binding site. Since the number of sites is limited, as more sites are occupied by TnT from the sample, fewer sites are left to bind TnT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TnT concentration in each sample is interpolated from this standard curve. Intended Uses: This TnT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse TnT. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	547047
NCBI GeneID	7139
Molecular Weight	35,794 Da
NCBI Official Full Name	troponin T, partial
NCBI Official Synonym Full Names	troponin T2, cardiac type
NCBI Official Symbol	TNNT2
NCBI Official Synonym Symbols	CMH2; RCM3; TnTC; cTnT; CMD1D; CMPD2; LVNC6
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.