

Rat Troponin T (TNT) ELISA Kit | TNT elisa kit

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CATALOG #
AAA20798

REACTIVITY
Rat

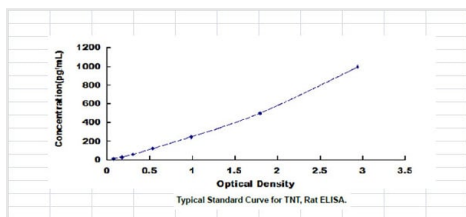
PRODUCT SYNONYMS

Troponin T (TNT); Rat Troponin T (TNT) ELISA Kit; TNT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Sequence Length	11
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TNT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TNT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNT elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TNT. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TNT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TNT, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TNT in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TNT elisa kit	Cardiovascular biology
References	Recombinant Klotho Protein Ameliorates Myocardial Ischemia/Reperfusion Injury by Attenuating Sterile Inflammation; Biomedicines; 2022 Apr 13;10(4):894.; PMID: 35453645; Jinwoo Myung; Department of Emergency Medicine, Yonsei University College of Medicine, Seoul 06273, Korea.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4261776
Molecular Weight	1,362 Da
NCBI Official Full Name	troponin T, partial
UniProt Protein Name	Troponin T protein
UniProt Gene Name	troponin T
UniProt Entry Name	V9H0A7_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.