

Mouse CTNI (Cardiac Troponin-I) ELISA Kit | CTNI elisa kit

Mouse CTNI (Cardiac Troponin-I)

CATALOG #
AAA17770

REACTIVITY
Mouse

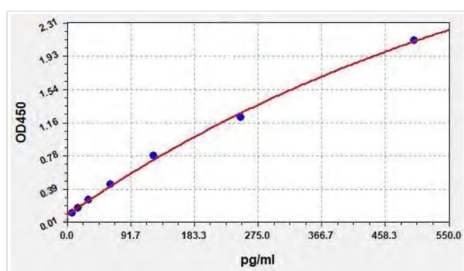
PRODUCT SYNONYMS

CTNI (Cardiac Troponin-I); Mouse CTNI (Cardiac Troponin-I); CTNI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize CTNI, no obvious cross reaction with other analogues
Sequence Length	189
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	7.813-500pg/ml
Sensitivity	4.688pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTNI elisa kit	Background: cTn is made up of subunits of three different genes: cardiac troponin T (cTnT), cardiac troponin I (cTnI), and troponin C (TnC). cTn exists in cardiomyocytes in the form of CTNI-C-T complex and free cTnI, which can be further decomposed into CTNI-C complex and free cTnI after being released into the blood circulation during myocardial injury. Therefore, in addition to cTnI C-T and free cTnI, there is also CTNI-C in the blood circulation, and CTNI-C is its main form in the blood. Its metabolites are excreted from the body by the kidneys. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti CTNI antibody was precoated onto the 96-well plate. The biotin conjugated anti CTNI antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with CTNI conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of CTNI in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	297206842
NCBI GeneID	100462680
NCBI Accession #	NP_001171957.1
NCBI GenBank Nucleotide #	NM_001185028.1
NCBI Official Full Name	cardiac troponin I
NCBI Official Symbol	LOC100462680
NCBI Protein Information	cardiac troponin I

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/ctni-cardiac-troponin-i/17770>