

Rat Cardiac Troponin C (cTn-C) ELISA Kit | cTn-C elisa kit

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CATALOG #
AAA31479

REACTIVITY
Rat

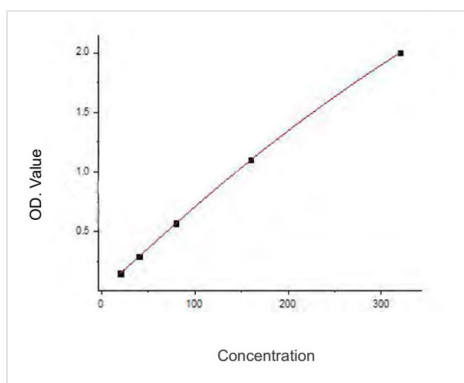
PRODUCT SYNONYMS

Cardiac Troponin C (cTn-C); Rat Cardiac Troponin C (cTn-C) ELISA Kit; cTn-C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Cardiac Troponin C (cTn-C) ELISA Kit has high sensitivity and excellent specificity for detection of Rat cTn-C. No significant cross-reactivity or interference between Rat cTn-C and analogues was observed.
Sequence Length	161
Assay Type	Sandwich
Samples	Rat serum, cell culture supernates and other biological fluids
Detection Range	20 pg/mL - 320 pg/mL
Sensitivity	< 1pg/mL
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for cTn-C elisa kit	Background: Cardiac troponin C (cTnC) is made up of two globular EF-hand domains connected by a flexible linker. The structural C-domain (cCTnC) contains two high affinity calcium-binding sites that are always occupied by Ca2+or Mg2+under physiologic conditions, stabilizing an open conformation that remains anchored to the rest of the troponin complex. Principle of the Assay: Rat Cardiac Troponin C (cTn-C) ELISA Kit employs a two-site sandwich ELISA to quantitate cTn-C in samples. An antibody specific for cTn-C has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any cTn-C present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Rat cTn-C detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of cTn-C bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28822163
NCBI GeneID	353247
NCBI Official Full Name	cardiac troponin C
NCBI Official Synonym Full Names	troponin C type 1a (slow)
NCBI Official Symbol	tnnc1a
NCBI Official Synonym Symbols	cTnC; tnnc1; zgc:103465
NCBI Protein Information	troponin C, slow skeletal and cardiac muscles

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-troponin-c-ctn-c/31479>