

Rat Cardiac Troponin I (cTnI) ELISA Kit | cTnI elisa kit

Rat Anti-Cardiac Troponin I Antibody (Anti-cTnI) ELISA Kit

CATALOG # AAA150349	REACTIVITY Rat	APPLICATIONS ELISA
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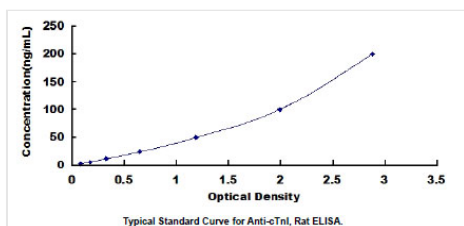
PRODUCT SYNONYMS

Cardiac Troponin I (cTnI); Rat Anti-Cardiac Troponin I Antibody (Anti-cTnI) ELISA Kit; TNNI3; TNNC1; CMH7; C-TnI; Troponin I Type 3; Cardiac; cTnI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-cTnI. No significant cross-reactivity or interference between Anti-cTnI and analogues was observed.
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	1.14ng/mL
Applicable Applications for cTnI elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-cTnI 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 Anti-cTnI 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 cTnI elisa kit	Intended Uses: The kit is an enzyme immunoassay for in vitro quantitative measurement of Anti-cTnI in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with cTnI. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-cTnI 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 Anti-cTnI in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for cTnI elisa kit	Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	8394469
NCBI GeneID	29248
NCBI Accession #	NP_058840.1
NCBI GenBank Nucleotide #	NM_017144.2
UniProt Accession #	P23693; Q4PP23
Molecular Weight	24,160 Da
NCBI Official Full Name	troponin I, cardiac muscle
NCBI Official Synonym Full Names	troponin I3, cardiac type
NCBI Official Symbol	Tnni3
NCBI Official Synonym Symbols	TnI; cTNI
NCBI Protein Information	troponin I, cardiac muscle
UniProt Protein Name	Troponin I, cardiac muscle
UniProt Gene Name	Tnni3
UniProt Synonym Gene Names	Ctni; Tni

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-i-ctni/150349>