

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

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CATALOG #
AAA188111

REACTIVITY
Simian

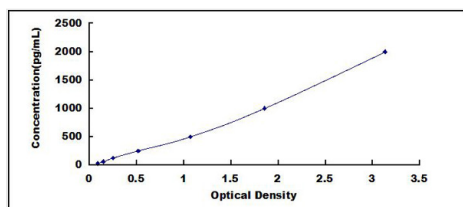
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Simian
Specificity	This assay has high sensitivity and excellent specificity for detection of Cardiac Troponin I (cTnI). No significant cross-reactivity or interference between Cardiac Troponin I (cTnI) and analogues was observed.
Sequence Length	211
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 13.1pg/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Cardiac Troponin I (cTnI) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Cardiac Troponin I (cTnI) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% 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	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cardiac Troponin I (cTnI). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cardiac Troponin I (cTnI). 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 Cardiac Troponin I (cTnI), 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 Cardiac Troponin I (cTnI) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56023
NCBI GeneID	29248
NCBI Official Full Name	cardiac troponin I
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

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/simian-elisa-kits/cardiac-troponin-i-ctni/188111>