

Rat Troponin I ELISA Kit | Tnni3 elisa kit

Rat Troponin I, cardiac muscle ELISA Kit

CATALOG #
AAA309986

REACTIVITY
Rat

PRODUCT SYNONYMS

Troponin I; Rat Troponin I; cardiac muscle ELISA Kit; cardiac muscle; Cardiac troponin I; Tnni3; Ctni; Tni; Tnni3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat Troponin I, cardiac muscle. No significant cross-reactivity or interference was observed. Note?Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between rat Troponin I, cardiac muscle and all the analogues, therefore, cross reaction may still exist.
Samples	Serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids
Detection Range	1.25 ng/mL -80.0 ng/mL.
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tnni3 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat Troponin I, cardiac muscle concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Troponin I, cardiac muscle. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Troponin I, cardiac muscle and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Troponin I, cardiac muscle, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The concentration of Troponin I, cardiac muscle in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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	Tnl; 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/tnni3-rat-elisa-kits/troponin-i/309986>