

Porcine Troponin T Type 2, Cardiac (TNNT2) ELISA Kit | TNNT2 elisa kit

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CATALOG #
AAA67231

REACTIVITY
Porcine

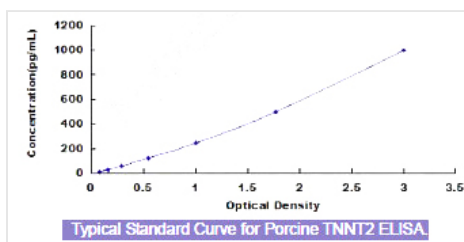
PRODUCT SYNONYMS

Troponin T Type 2; Cardiac (TNNT2); Porcine Troponin T Type 2; Cardiac (TNNT2) ELISA Kit; CMH2; cTnT; TnTc; Cardiomyopathy; Hypertrophic 2; Cardiac muscle troponin T; TNNT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of TNNT2. No significant cross-reactivity or interference between TNNT2 and analogues was observed.
Sequence Length	66
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	6.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TNNT2 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 TNNT2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNNT2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TNNT2 in porcine serum, plasma, tissue homogenates, cell lysates, 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 TNNT2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TNNT2. 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 TNNT2, 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 TNNT2 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 GeneID	100622450
UniProt Accession #	G0W2Z2
Molecular Weight	8,318 Da
NCBI Official Symbol	TNNT2
NCBI Protein Information	troponin T, cardiac muscle
UniProt Protein Name	Troponin T type 2 (Cardiac)
UniProt Gene Name	TNNT2

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/porcine-elisa-kits/troponin-t-type-2-cardiac-tnnt2/67231>