

Rat Troponin I Type 2, Fast Skeletal (TNNI2) ELISA Kit | TNNI2 elisa kit

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CATALOG #
AAA64180

REACTIVITY
Rat

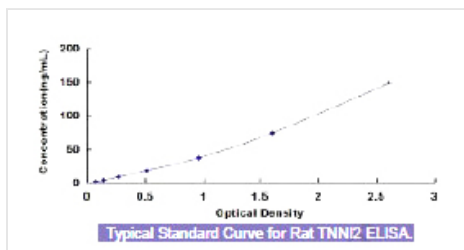
PRODUCT SYNONYMS

Troponin I Type 2; Fast Skeletal (TNNI2); Rat Troponin I Type 2; Fast Skeletal (TNNI2) ELISA Kit; AMCD2B; DA2B; FSSV; Troponin I Fast Twitch 2; Troponin I; fast-twitch isoform; TNNI2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TNNI2. No significant cross-reactivity or interference between TNNI2 and analogues was observed.
Sequence Length	182
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	2.343-150ng/mL
Sensitivity	0.65ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TNNI2 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 TNNI2 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 TNNI2 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TNNI2 in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TNNI2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TNNI2. 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 TNNI2, 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 TNNI2 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 #	8394466
NCBI GeneID	29389
NCBI Accession #	NP_058881.1
NCBI GenBank Nucleotide #	NM_017185.1
UniProt Accession #	P27768
Molecular Weight	21,328 Da
NCBI Official Full Name	troponin I, fast skeletal muscle
NCBI Official Synonym Full Names	troponin I2, fast skeletal type
NCBI Official Symbol	Tnni2
NCBI Protein Information	troponin I, fast skeletal muscle
UniProt Protein Name	Troponin I, fast skeletal muscle
UniProt Gene Name	Tnni2
UniProt Synonym Gene Names	Trp1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/troponin-i-type-2-fast-skeletal-tnni2/64180>