

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

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CATALOG #
AAA186175

REACTIVITY
Human

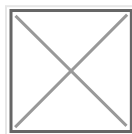
PRODUCT SYNONYMS

Troponin I Type 2; Fast Skeletal (TNNI2); Human 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	Human
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	256
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 32pg/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	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 TNNI2 elisa kit

Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TNNI2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	112789538
NCBI GeneID	7140
NCBI Accession #	NP_001036246.1
NCBI GenBank Nucleotide #	NM_001042781.2
UniProt Accession #	P45378; Q12975; Q12976; Q12977; Q12978; Q17RG9; A8MQ76; A8MSW1; B3KPX3; B7WP64; B7ZL26; B7ZVV9
Molecular Weight	29,735 Da
NCBI Official Full Name	troponin T, fast skeletal muscle isoform 2
NCBI Official Synonym Full Names	troponin T3, fast skeletal type
NCBI Official Symbol	TNNT3
NCBI Official Synonym Symbols	TNTF
NCBI Protein Information	troponin T, fast skeletal muscle
UniProt Protein Name	Troponin T, fast skeletal muscle
UniProt Gene Name	TNNT3
UniProt Synonym Gene Names	TnTf; fTnT

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/human-elisa-kits/troponin-i-type-2-fast-skeletal-tnni2/186175>