

Human Troponin I, slow skeletal muscle ELISA Kit | TNNI1 elisa kit

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CATALOG #
AAA102367

REACTIVITY
Human

PRODUCT SYNONYMS

Troponin I; slow skeletal muscle; Human Troponin I; slow skeletal muscle ELISA Kit; TNNI1 (Troponin I Type 1; Slow Skeletal); TNNI1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TNNI1 . No significant cross-reactivity or interference between TNNI1 and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between TNNI1 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	187
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	46.875-3000pg/ml
Sensitivity	28.125pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TNNI1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TNNI1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNNI1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TNNI1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- TNNI1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the TNNI1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TNNI1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56682969
NCBI GeneID	7135
NCBI Accession #	NP_003272.3
NCBI GenBank Nucleotide #	NM_003281.3
Molecular Weight	21,692 Da
NCBI Official Full Name	troponin I, slow skeletal muscle
NCBI Official Synonym Full Names	troponin I1, slow skeletal type
NCBI Official Symbol	TNNI1
NCBI Official Synonym Symbols	TNN1; SSTNI
NCBI Protein Information	troponin I, slow skeletal muscle
UniProt Protein Name	Troponin I, slow skeletal muscle
UniProt Gene Name	TNNI1
UniProt Entry Name	TNNI1_HUMAN

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/tnni1-human-elisa-kits/troponin-i-slow-skeletal-muscle/102367>