

Human TNNI1 ELISA Kit | TNNI1 elisa kit

Human TNNI1 (Troponin I Type 1, Slow Skeletal) ELISA Kit

CATALOG #
AAA21749

REACTIVITY
Human

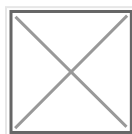
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human TNNI1 in samples. No significant cross-reactivity or interference between Human TNNI1 and analogues was observed
Sequence Length	187
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	46.88-3000 pg/mL
Sensitivity	28.13 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human TNNI1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human TNNI1 were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNNI1 elisa kit

Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human TNNI1. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human TNNI1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human TNNI1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of Human TNNI1. You can calculate the concentration of Human TNNI1 in the samples by comparing the OD of the samples to the standard curve.

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human TNNI1 concentrations in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56682969
NCBI GeneID	7135
NCBI Accession #	NP_003272.3
NCBI GenBank Nucleotide #	NM_003281.3
UniProt Accession #	P19237; Q659A5; Q6FGS7; Q6FGW1; Q6ICU2; Q86T57; Q96DT9; A6NEH3; A8MSJ0
Molecular Weight	21,692 Da
NCBI Official Full Name	troponin I, slow skeletal muscle
NCBI Official Synonym Full Names	troponin I type 1 (skeletal, slow)
NCBI Official Symbol	TNNI1
NCBI Official Synonym Symbols	TNN1; SSTNI
NCBI Protein Information	troponin I, slow skeletal muscle; troponin I, slow-twitch isoform
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/human-elisa-kits/tnni1/21749>