

Human troponin I type 2 (skeletal, fast) ELISA Kit | TNNI2 elisa kit

Human Troponin I, fast skeletal muscle, TNNI2 ELISA Kit

CATALOG #
AAA18234

REACTIVITY
Human

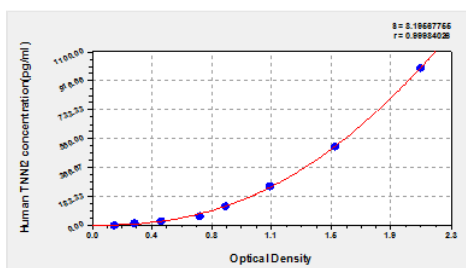
PRODUCT SYNONYMS

troponin I type 2 (skeletal; fast); Human Troponin I; fast skeletal muscle; TNNI2 ELISA Kit; fast skeletal muscle (TNNI2) ELISA kit; AMCD2B; DA2B; FSSV; fsTnI; OTTHUMP00000014141; OTTHUMP00000014142; fast-twitch skeletal muscle troponin I; troponin I fast twitch 2; troponin I; fast-twitch skeletal muscle isoform; skeletal; ; TNNI2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human TNNI2. No significant cross-reactivity or interference between human TNNI2 and analogues was observed.
Sequence Length	182
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and tissue homogenates
Detection Range	6.25 pg/ml-400 pg/ml
Sensitivity	< 1.56 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNNI2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TNNI2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNNI2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNNI2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TNNI2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	224967057
NCBI GeneID	7136
NCBI Accession #	NP_001139301.1
NCBI GenBank Nucleotide #	NM_001145829.1
UniProt Accession #	P48788; A6NIV8; A6NJU5
Molecular Weight	21,339 Da
NCBI Official Full Name	troponin I, fast skeletal muscle isoform 1
NCBI Official Synonym Full Names	troponin I type 2 (skeletal, fast)
NCBI Official Symbol	TNNI2
NCBI Official Synonym Symbols	DA2B; FSSV; fsTnI; AMCD2B
NCBI Protein Information	troponin I, fast skeletal muscle; troponin I fast twitch 2; troponin I, skeletal, fast; troponin I, fast-twitch isoform; troponin I, fast-twitch skeletal muscle isoform
UniProt Protein Name	Troponin I, fast skeletal muscle
UniProt Gene Name	TNNI2
UniProt Entry Name	TNNI2_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.