

Human Troponin T, Fast Skeletal Muscle (TNNT3) ELISA Kit | TNNT3 elisa kit

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CATALOG #
AAA330406

REACTIVITY
Human

PRODUCT SYNONYMS

Troponin T; Fast Skeletal Muscle (TNNT3); Human Troponin T; Fast Skeletal Muscle (TNNT3) ELISA Kit; TNNT3; DKFZp779M2348; TNTF; OTTHUMP00000014435; troponin T; fast skeletal muscle; troponin T3; skeletal; fast; troponin-T3; TNNT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Troponin T, fast skeletal muscle (TNNT3) ELISA Kit has high sensitivity and excellent specificity for detection of Human TNNT3. No significant cross-reactivity or interference between Human TNNT3 and analogues was observed.
Sequence Length	256
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Troponin T, fast skeletal muscle (TNNT3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNNT3 elisa kit	Description: This Human Troponin T, fast skeletal muscle (TNNT3) ELISA Kit employs a two-site sandwich ELISA to quantitate TNNT3 in samples. An antibody specific for TNNT3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNNT3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNNT3 is added to the wells. After washing, Streptavidin 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 TNNT3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Subunit T binds the troponin complex to the tropomyosin complex and is also required for Ca(2+)-mediated activation of actomyosin ATPase activity. There are 3 different troponin T genes that encode tissue-specific isoforms of subunit T for fast skeletal-, slow skeletal-, and cardiac-muscle. This gene encodes fast skeletal troponin T protein; also known as troponin T type 3. Alternative splicing results in multiple transcript variants encoding additional distinct troponin T type 3 isoforms. A developmentally regulated switch between fetal/neonatal and adult troponin T type 3 isoforms occurs. Additional splice variants have been described but their biological validity has not been established. Mutations in this gene may cause distal arthrogryposis multiplex congenita type 2B (DA2B).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112789538
NCBI GeneID	7140
NCBI Accession #	NP_001036246.1
NCBI GenBank Nucleotide #	NP_001036246.1
UniProt Accession #	P45378
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; DA2B2; beta-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
UniProt Entry Name	TNNT3_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.