

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

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CATALOG #
AAA332110

REACTIVITY
Mouse

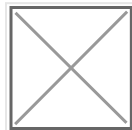
PRODUCT SYNONYMS

Troponin T; Fast Skeletal Muscle (TNNT3); Mouse 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	Mouse
Specificity	Mouse Troponin T, fast skeletal muscle (TNNT3) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TNNT3. No significant cross-reactivity or interference between Mouse TNNT3 and analogues was observed.
Sequence Length	272
Assay Type	Sandwich
Samples	Mouse serum, cell culture supernates and other biological fluids
Detection Range	10 ng/L - 160 ng/L
Sensitivity	< 1ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNNT3 elisa kit	Background: Troponin T (TnT) is a central player in the calcium regulation of actin thin filament function and is essential for the contraction of striated muscles. Three homologous genes have evolved in vertebrates to encode three muscle type-specific TnT isoforms: TNNT1 for slow skeletal muscle TnT, TNNT2 for cardiac muscle TnT, and TNNT3 for fast skeletal muscle TnT. Principle of the Assay: Mouse 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, HRP-Conjugated Mouse TNNT3 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	254750715
NCBI GeneID	21957
NCBI Accession #	NP_001157137.1
NCBI GenBank Nucleotide #	NP_001157137.1
UniProt Accession #	Q9QZ47
NCBI Official Full Name	troponin T, fast skeletal muscle isoform 2
NCBI Official Synonym Full Names	troponin T3, skeletal, fast
NCBI Official Symbol	Tnnt3
NCBI Official Synonym Symbols	fTnT
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_MOUSE

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/mouse-elisa-kits/troponin-t-fast-skeletal-muscle-tnnt3/332110>