

Mouse Troponin C, Skeletal Muscle (TNNC2) ELISA Kit | TNNC2 elisa kit

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CATALOG #
AAA332115

REACTIVITY
Mouse

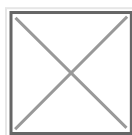
PRODUCT SYNONYMS

Troponin C; Skeletal Muscle (TNNC2); Mouse Troponin C; Skeletal Muscle (TNNC2) ELISA Kit; TNNC2; Fast skeletal muscle troponin C; troponin C2; fast; TNNC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Troponin C, skeletal muscle (TNNC2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TNNC2. No significant cross-reactivity or interference between Mouse TNNC2 and analogues was observed.
Sequence Length	160
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. Mouse Troponin C, skeletal muscle (TNNC2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNNC2 elisa kit	Description: This Mouse Troponin C, skeletal muscle (TNNC2) ELISA Kit employs a two-site sandwich ELISA to quantitate TNNC2 in samples. An antibody specific for TNNC2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNNC2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNNC2 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 TNNC2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The troponin C protein is the calcium-binding subunit of the troponin complex. It occurs in 2 distinct isoforms: fast skeletal troponin C, which is expressed exclusively in fast-twitch skeletal muscle, and slow/cardiac troponin C, which is expressed in both cardiac and slow-twitch skeletal muscle. Gahlmann and Kedes (1990) described the structure and sequence of the gene for fast-twitch troponin C. By PCR-based analysis of a monochromosomal hybrid panel followed by analysis of the Genebridge 4 radiation hybrid panel, Townsend et al. (1997) mapped the TNNC2 gene to chromosome 20. Tiso et al. (1997) independently mapped the TNNC2 gene to 20q12-q13.11 using PCR of radiation hybrids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6678371
NCBI GeneID	21925
NCBI Accession #	NP_033420.1
NCBI GenBank Nucleotide #	NP_033420.1
UniProt Accession #	P20801
NCBI Official Full Name	troponin C, skeletal muscle
NCBI Official Synonym Full Names	troponin C2, fast
NCBI Official Symbol	Tnnc2
NCBI Official Synonym Symbols	Tncs
NCBI Protein Information	troponin C, skeletal muscle
UniProt Protein Name	Troponin C, skeletal muscle
UniProt Gene Name	Tnnc2
UniProt Synonym Gene Names	Tncs
UniProt Entry Name	TNNC2_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-c-skeletal-muscle-tnnc2/332115>