

Human Troponin I, Fast Skeletal Muscle (TNNI2) ELISA Kit | TNNI2 elisa kit

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CATALOG #
AAA330410

REACTIVITY
Human

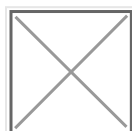
PRODUCT SYNONYMS

Troponin I; Fast Skeletal Muscle (TNNI2); Human Troponin I; Fast Skeletal Muscle (TNNI2) ELISA Kit; TNNI2; AMCD2B; DA2B; FSSV; fsTnl; 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	Human Troponin I, fast skeletal muscle (TNNI2) ELISA Kit 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	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 I, fast skeletal muscle (TNNI2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNNI2 elisa kit	Description: This Human Troponin I, fast skeletal muscle (TNNI2) ELISA Kit employs a two-site sandwich ELISA to quantitate TNNI2 in samples. An 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, 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 TNNI2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TNNI2 is a fast-twitch skeletal muscle protein, a member of the troponin I gene family, and a component of the troponin complex including troponin T, troponin C and troponin I subunits. The troponin complex, along with tropomyosin, is responsible for the calcium-dependent regulation of striated muscle contraction. Mouse studies show that this component is also present in vascular smooth muscle and may play a role in regulation of smooth muscle function. In addition to muscle tissues, this protein is found in corneal epithelium, cartilage where it is an inhibitor of angiogenesis to inhibit tumor growth and metastasis, and mammary gland where it functions as a co-activator of estrogen receptor-related receptor alpha. This protein also suppresses tumor growth in human ovarian carcinoma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1351297
NCBI GeneID	7136
UniProt Accession #	P48788
NCBI Official Full Name	Troponin I, fast skeletal muscle
NCBI Official Synonym Full Names	troponin I2, fast skeletal type
NCBI Official Symbol	TNNI2
NCBI Official Synonym Symbols	DA2B; FSSV; DA2B1; fsTnI; AMCD2B
NCBI Protein Information	troponin I, fast skeletal muscle
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/troponin-i-fast-skeletal-muscle-tnni2/330410>