

Human Tropomodulin-4 (TMOD4) ELISA Kit | TMOD4 elisa kit

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CATALOG #
AAA330473

REACTIVITY
Human

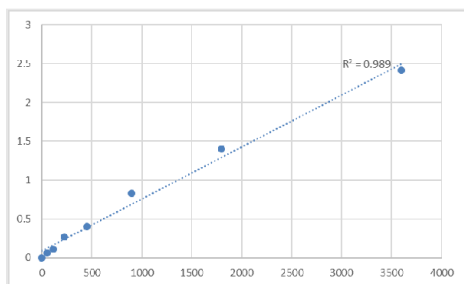
PRODUCT SYNONYMS

Tropomodulin-4 (TMOD4); Human Tropomodulin-4 (TMOD4) ELISA Kit; TMOD4; RP11-68I18.7; DKFZp779I0852; SK-TMOD; actin-capping protein; TMOD4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tropomodulin-4 (TMOD4) ELISA Kit has high sensitivity and excellent specificity for detection of Human TMOD4. No significant cross-reactivity or interference between Human TMOD4 and analogues was observed.
Sequence Length	345
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 Tropomodulin-4 (TMOD4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMOD4 elisa kit	Description: This Human Tropomodulin-4 (TMOD4) ELISA Kit employs a two-site sandwich ELISA to quantitate TMOD4 in samples. An antibody specific for TMOD4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMOD4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMOD4 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 TMOD4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TMOD4 encodes a muscle-specific member of the tropomodulin family of actin-regulatory proteins. The encoded protein caps the pointed end of actin filaments preventing both elongation and depolymerization. The capping activity of this protein is dependent on its association with tropomyosin. Alternatively spliced transcript variants encoding different isoforms have been described. Human TMOD4 encodes a deduced 345-amino acid protein. Northern blot analysis on human tissues detected a prominent 1.3- to 1.5-kb transcript in skeletal muscle. Three faint transcripts were detected: a 6.8-kb transcript in heart and skeletal muscle, and 2.4 and 3.0 transcripts in skeletal muscle.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156415984
NCBI GeneID	29765
NCBI Accession #	NP_037485.2
NCBI GenBank Nucleotide #	NP_037485.2
UniProt Accession #	Q9NZQ9
NCBI Official Full Name	tropomodulin-4
NCBI Official Synonym Full Names	tropomodulin 4
NCBI Official Symbol	TMOD4
NCBI Official Synonym Symbols	SK-TMOD
NCBI Protein Information	tropomodulin-4
UniProt Protein Name	Tropomodulin-4
UniProt Gene Name	TMOD4
UniProt Synonym Gene Names	Sk-Tmod
UniProt Entry Name	TMOD4_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://www.aaabiotech.com/human-elisa-kits/tropomodulin-4-tmod4/330473>