

Human Tropomodulin-1 (TMOD1) ELISA Kit | TMOD1 elisa kit

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CATALOG #
AAA330476

REACTIVITY
Human

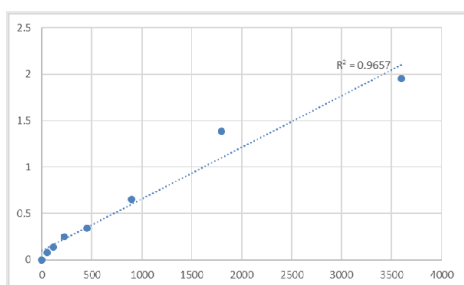
PRODUCT SYNONYMS

Tropomodulin-1 (TMOD1); Human Tropomodulin-1 (TMOD1) ELISA Kit; TMOD1; D9S57E; ETMOD; TMOD; OTTHUMP00000021743; e-tropomodulin; erythrocyte tropomodulin; TMOD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tropomodulin-1 (TMOD1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TMOD1. No significant cross-reactivity or interference between Human TMOD1 and analogues was observed.
Sequence Length	359
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-1 (TMOD1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMOD1 elisa kit	Description: This Human Tropomodulin-1 (TMOD1) ELISA Kit employs a two-site sandwich ELISA to quantitate TMOD1 in samples. An antibody specific for TMOD1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMOD1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMOD1 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 TMOD1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TMOD1 encodes a member of the tropomodulin family. The encoded protein is an actin-capping protein that regulates tropomyosin by binding to its N-terminus, inhibiting depolymerization and elongation of the pointed end of actin filaments and thereby influencing the structure of the erythrocyte membrane skeleton. TMOD gene is expressed in major human tissues at different levels in the following order: heart and skeletal muscle much greater than in brain, lung, and pancreas, which is greater than in placenta, liver, and kidney. They pointed to structural similarities between tropomodulin and the 64-kD autoantigen in Graves disease and suggested that the 2 genes evolved from a common ancestral gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260763922
NCBI GeneID	7111
NCBI Accession #	NP_001159588.1
NCBI GenBank Nucleotide #	NP_001159588.1
UniProt Accession #	P28289
NCBI Official Full Name	tropomodulin-1
NCBI Official Synonym Full Names	tropomodulin 1
NCBI Official Symbol	TMOD1
NCBI Official Synonym Symbols	TMOD; ETMOD; D9S57E
NCBI Protein Information	tropomodulin-1
UniProt Protein Name	Tropomodulin-1
UniProt Gene Name	TMOD1
UniProt Synonym Gene Names	D9S57E; TMOD; E-Tmod
UniProt Entry Name	TMOD1_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/tropomodulin-1-tmod1/330476>