

Human Tropomyosin alpha-3 Chain (TPM3) ELISA Kit | TPM3 elisa kit

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CATALOG #
AAA330371

REACTIVITY
Human

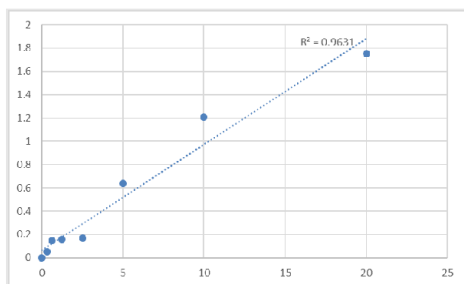
PRODUCT SYNONYMS

Tropomyosin alpha-3 Chain (TPM3); Human Tropomyosin alpha-3 Chain (TPM3) ELISA Kit; TPM3; RP11-205M9.1; FLJ41118; MGC14582; MGC3261; MGC72094; NEM1; OK/SW-cl.5; TM-5; TM3; TM30; TM30nm; TPMsk3; TRK; hscp30; cytoskeletal tropomyosin TM30; heat-stable cytoskeletal protein 30 kDa; tropomyosin; TPM3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tropomyosin alpha-3 chain (TPM3) ELISA Kit has high sensitivity and excellent specificity for detection of Human TPM3. No significant cross-reactivity or interference between Human TPM3 and analogues was observed.
Sequence Length	285
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 Tropomyosin alpha-3 chain (TPM3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TPM3 elisa kit	Description: This Human Tropomyosin alpha-3 chain (TPM3) ELISA Kit employs a two-site sandwich ELISA to quantitate TPM3 in samples. An antibody specific for TPM3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TPM3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TPM3 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 TPM3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Tropomyosin alpha-3 chain is a member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosins are dimers of coiled-coil proteins that polymerize end-to-end along the major groove in most actin filaments. They provide stability to the filaments and regulate access of other actin-binding proteins. In muscle cells, they regulate muscle contraction by controlling the binding of myosin heads to the actin filament. Mutations in this gene result in autosomal dominant nemaline myopathy, and oncogenes formed by chromosomal translocations involving this locus are associated with cancer. Multiple transcript variants encoding different isoforms have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	519668659
NCBI GeneID	7170
UniProt Accession #	P06753
NCBI Official Full Name	Tropomyosin alpha-3 chain
NCBI Official Synonym Full Names	tropomyosin 3
NCBI Official Symbol	TPM3
NCBI Official Synonym Symbols	TM3; TM5; TRK; CFTD; NEM1; TM-5; TM30; CAPM1; TM30nm; TPM3nu; TPMsk3; hscp30; HEL-189; HEL-S-82p; OK/SW-cl.5
NCBI Protein Information	tropomyosin alpha-3 chain
UniProt Protein Name	Tropomyosin alpha-3 chain
UniProt Gene Name	TPM3
UniProt Synonym Gene Names	hTM5
UniProt Entry Name	TPM3_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.