

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

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CATALOG #
AAA332080

REACTIVITY
Mouse

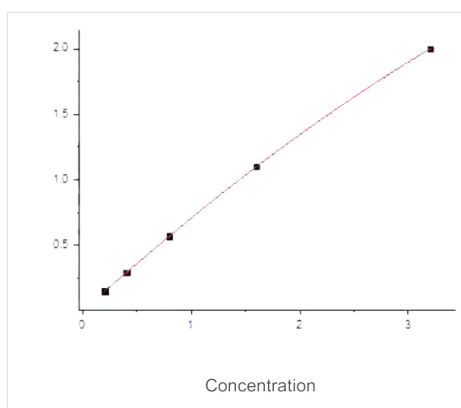
PRODUCT SYNONYMS

Tropomyosin alpha-3 Chain (TPM3); Mouse 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	Mouse
Specificity	Mouse Tropomyosin alpha-3 chain (TPM3) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TPM3. No significant cross-reactivity or interference between Mouse TPM3 and analogues was observed.
Sequence Length	248
Assay Type	Sandwich
Samples	Mouse serum, cell culture supernates and other biological fluids
Sensitivity	< 0.01ug/mL
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPM3 elisa kit	Background: Tropomyosin Alpha-3 Chain (TPM3) is a member of the Tropomyosin family. TPM3 exists as a heterodimer consisting of an alpha and a beta chain. TPM3 plays a central role in association with the Troponin complex and in the calcium dependent regulation of vertebrate striated muscle contraction. Defects in TPM3 are the cause of thyroid papillary carcinoma. Mutations in the TPM3 gene cause autosomal dominant nemaline myopathy, and oncogenes formed by chromosomal translocations involving this locus are linked with cancer. Principle of the Assay: Mouse 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, HRP-Conjugated Mouse TPM3 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	359279904
NCBI GeneID	59069
NCBI Accession #	NP_001240667.1
NCBI GenBank Nucleotide #	NP_001240667.1
UniProt Accession #	P21107
NCBI Official Full Name	tropomyosin alpha-3 chain isoform Tpm3.1cy
NCBI Official Synonym Full Names	tropomyosin 3, gamma
NCBI Official Symbol	Tpm3
NCBI Official Synonym Symbols	TMnm; Tpm5; Tm5NM; Tpm-5; hTMnm; TM30nm; Trop-5; hTM30nm; gamma-TM
NCBI Protein Information	tropomyosin alpha-3 chain
UniProt Protein Name	Tropomyosin alpha-3 chain
UniProt Gene Name	Tpm3
UniProt Synonym Gene Names	Tpm-5; Tpm5
UniProt Entry Name	TPM3_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/tropomyosin-alpha-3-chain-tpm3/332080>