

Human Tropomyosin 3 (TPM3) RTU ELISA Kit | TPM3 rtu elisa kit

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CATALOG #
AAA218965

REACTIVITY
Human

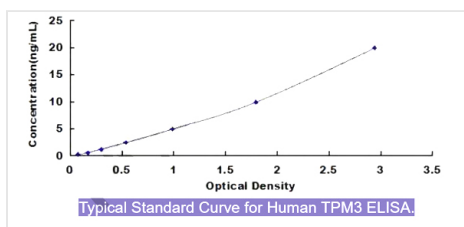
PRODUCT SYNONYMS

Tropomyosin 3 (TPM3); Human Tropomyosin 3 (TPM3) ELISA Kit; NEM1; TRK; OK/SW-cl.5; TM-5; TM3; TM30; TM30nm; TPMsk3; Hscp30; Gamma-tropomyosin; TPM3 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TPM3. No significant cross-reactivity or interference between TPM3 and analogues was observed.
Sequence Length	248
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.126ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TPM3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TPM3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPM3 rtu elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TPM3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TPM3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TPM3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of TPM3 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TPM3 in human serum, plasma, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	114155144
NCBI GeneID	7170
NCBI Accession #	NP_001036816.1
NCBI GenBank Nucleotide #	NM_001043351.1
UniProt Accession #	P06753; P12324; Q2QD06; Q5VU58; Q5VU63; Q5VU66; Q5VU71; Q5VU72; Q8TCG3; Q969Q2; Q9NQH8; D3DV71
Molecular Weight	18,603 Da
NCBI Official Full Name	tropomyosin alpha-3 chain isoform Tpm3.2cy
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

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.