

Human Transient Receptor Potential Cation Channel Subfamily M, Member 6 (TRPM6) ELISA Kit | TRPM6 elisa kit

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CATALOG # AAA68735	REACTIVITY Human
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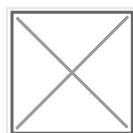
PRODUCT SYNONYMS

Transient Receptor Potential Cation Channel Subfamily M; Member 6 (TRPM6); Human Transient Receptor Potential Cation Channel Subfamily M; Member 6 (TRPM6) ELISA Kit; CHAK2; HMGX; HOMG; HSH; Hypomagnesemia; Secondary Hypocalcemia; Channel kinase 2; Melastatin-related TRP cation channel 6; TRPM6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TRPM6. No significant cross-reactivity or interference between TRPM6 and analogues was observed.
Sequence Length	2017
Samples	Human tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	< 25.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TRPM6 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 TRPM6 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TRPM6 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TRPM6 in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TRPM6. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TRPM6. 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 TRPM6, 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 TRPM6 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	293597572
NCBI GeneID	140803
NCBI Accession #	NP_001170781.1
NCBI GenBank Nucleotide #	NM_001177310.1
UniProt Accession #	Q9BX84; Q6VPR8; Q6VPR9; Q6VPS0; Q6VPS1; Q6VPS2
Molecular Weight	65,083 Da
NCBI Official Full Name	transient receptor potential cation channel subfamily M member 6 isoform b
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily M member 6
NCBI Official Symbol	TRPM6
NCBI Official Synonym Symbols	HSH; HMGX; HOMG; CHAK2; HOMG1
NCBI Protein Information	transient receptor potential cation channel subfamily M member 6
UniProt Protein Name	Transient receptor potential cation channel subfamily M member 6
UniProt Gene Name	TRPM6
UniProt Synonym Gene Names	CHAK2

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/transient-receptor-potential-cation-channel-subfamily-m-member-6-trpm6/68735>