

Human Transient Receptor Potential Cation Channel Subfamily M, Member 4 (TRPM4) ELISA Kit | TRPM4 elisa kit

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CATALOG # AAA14057	REACTIVITY Human
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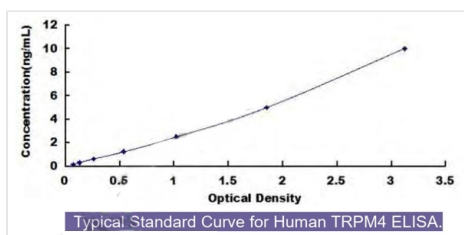
PRODUCT SYNONYMS

Transient Receptor Potential Cation Channel Subfamily M; Member 4 (TRPM4); Human Transient Receptor Potential Cation Channel Subfamily M; Member 4 (TRPM4) ELISA Kit; TRPM4B; Melastatin-4; Calcium-activated non-selective cation channel 1; Long transient receptor potential channel 4; TRPM4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TRPM4. No significant cross-reactivity or interference between TRPM4 and analogues was observed.
Sequence Length	1069
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TRPM4 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 TRPM4 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 TRPM4 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TRPM4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TRPM4. 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 TRPM4, 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 TRPM4 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 TRPM4 in human tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	304766677
NCBI GeneID	54795
NCBI Accession #	NP_001182156.1
NCBI GenBank Nucleotide #	NM_001195227.1
UniProt Accession #	Q8TD43; Q7Z5D9; Q96L84; Q9NXV1; A2RU25
Molecular Weight	118,630 Da
NCBI Official Full Name	transient receptor potential cation channel subfamily M member 4 isoform 2
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily M member 4
NCBI Official Symbol	TRPM4
NCBI Official Synonym Symbols	LTrpC4; PFHB1B; TRPM4B; hTRPM4
NCBI Protein Information	transient receptor potential cation channel subfamily M member 4
UniProt Protein Name	Transient receptor potential cation channel subfamily M member 4
UniProt Gene Name	TRPM4
UniProt Synonym Gene Names	LTRPC4; hTRPM4; LTrpC-4; LTrpC4

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/transient-receptor-potential-cation-channel-subfamily-m-member-4-trpm4/14057>