

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

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CATALOG #
AAA332069

REACTIVITY
Mouse

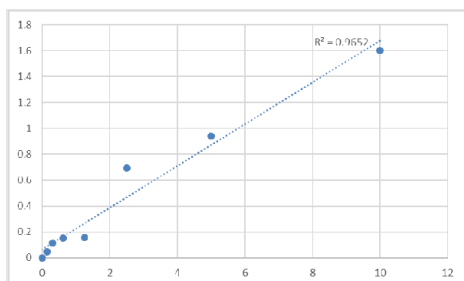
PRODUCT SYNONYMS

Transient Receptor Potential Cation Channel Subfamily M Member 4 (TRPM4); Mouse Transient Receptor Potential Cation Channel Subfamily M Member 4 (TRPM4) ELISA Kit; TRPM4; FLJ20041; TRPM4B; TRPM4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Transient receptor potential cation channel subfamily M member 4 (TRPM4) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TRPM4. No significant cross-reactivity or interference between Mouse TRPM4 and analogues was observed.
Sequence Length	1213
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. Mouse Transient receptor potential cation channel subfamily M member 4 (TRPM4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TRPM4 elisa kit	Description: This Mouse Transient receptor potential cation channel subfamily M member 4 (TRPM4) ELISA Kit employs a two-site sandwich ELISA to quantitate TRPM4 in samples. An antibody specific for TRPM4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TRPM4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TRPM4 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 TRPM4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TRPM4 has 1,040 amino acids and contains 6 putative transmembrane domains. Northern blot analysis detected TRPM4 expression in most adult tissues tested, with highest levels in heart, prostate, and colon. In fetus, TRPM4 expression was most abundant in kidney. There were at least 2 distinct bands detected (6.2 and 4.2 kb), indicating alternative splicing of TRPM4. In addition, a smaller but relatively abundant 2.4-kb transcript was detected in testis. The shorter protein results from alternative splicing, with the third and fourth exons being spliced out and the beginning of the first exon being truncated. As a consequence, the first in-frame methionine lies in the fifth exon, resulting in the deletion of the first 174 amino acids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157824093
NCBI GeneID	68667
NCBI Accession #	NP_780339.2
NCBI GenBank Nucleotide #	NP_780339.2
UniProt Accession #	Q7TN37
NCBI Official Full Name	transient receptor potential cation channel subfamily M member 4
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily M, member 4
NCBI Official Symbol	Trpm4
NCBI Official Synonym Symbols	LTRPC4; TRPM4B; LTrpC-4; AW047689; 1110030C19Rik
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; 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.