

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

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CATALOG # AAA330168	REACTIVITY Rat
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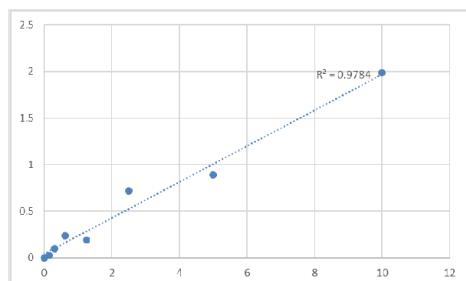
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Transient receptor potential cation channel subfamily M member 4 (TRPM4) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TRPM4. No significant cross-reactivity or interference between Rat TRPM4 and analogues was observed.
Sequence Length	1208
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. Rat Transient receptor potential cation channel subfamily M member 4 (TRPM4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TRPM4 elisa kit	Description: This Rat 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: TRPM5 expression in several human and rodent cell lines, including murine neuronal cells, Burkitt lymphoma cells, murine B-lymphoma cells, HeLa cells, murine pancreatic beta cells, rat beta cells, and human pancreatic islets. No endogenous TRPM5 was detected in human embryonic kidney (HEK)-293 cells. Among the differentially expressed clones, one encoded Trpm5. In situ hybridization detected Trpm5 expression restricted to mouse taste tissue. In taste cells, Trpm5 was coexpressed with taste-signaling molecules such as alpha-gustducin, G protein gamma-13 subunit, phospholipase C-beta-2 (PLCB2), and inositol 1,4,5-trisphosphate receptor type III.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209977101
NCBI GeneID	171143
NCBI Accession #	NP_001129701.1
NCBI GenBank Nucleotide #	NP_001129701.1
UniProt Accession #	Q9ESQ5
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	Mls2s; LTrpC-4
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.