

Human Transient Receptor Potential Cation Channel Subfamily M Member 8 (TRPM8) ELISA Kit | TRPM8 elisa kit

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CATALOG # AAA330353	REACTIVITY Human
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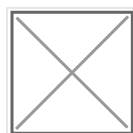
PRODUCT SYNONYMS

Transient Receptor Potential Cation Channel Subfamily M Member 8 (TRPM8); Human Transient Receptor Potential Cation Channel Subfamily M Member 8 (TRPM8) ELISA Kit; TRPM8; LTRPC6; MGC2849; TRPP8; short form of the TRPM8 cationic channel; transient receptor potential subfamily M member 8; TRPM8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Transient receptor potential cation channel subfamily M member 8 (TRPM8) ELISA Kit has high sensitivity and excellent specificity for detection of Human TRPM8. No significant cross-reactivity or interference between Human TRPM8 and analogues was observed.
Sequence Length	1104
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. Human Transient receptor potential cation channel subfamily M member 8 (TRPM8) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TRPM8 elisa kit	Description: This Human Transient receptor potential cation channel subfamily M member 8 (TRPM8) ELISA Kit employs a two-site sandwich ELISA to quantitate TRPM8 in samples. An antibody specific for TRPM8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TRPM8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TRPM8 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 TRPM8 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TRPM8 is an ion channel, upon activation it allows the entry of Na⁺ (sodium) and Ca²⁺ (calcium) ions to the cell that leads to depolarization and the generation of an action potential. This eventually leads to the feeling of cold. The TRPM8 protein is expressed in sensory neurons, and it is activated by cold temperatures and cooling agents, such as menthol and icilin where as WS-12 and CPS-369 are the most selective agonist of TRPM8. TRPM8 is also expressed in the prostate, lungs, and bladder where its function is not very well understood. TRPM8 upregulation in bladder tissues correlates with pain in patients with painful bladder syndromes. Furthermore, TRPM8 is upregulated in many prostate cancer cell lines and Dendreon/Genentech are pursuing an agonist approach to induce apoptosis and prostate cancer cell death.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109689695
NCBI GeneID	79054
NCBI Accession #	NP_076985.4
NCBI GenBank Nucleotide #	NP_076985.4
UniProt Accession #	Q7Z2W7
NCBI Official Full Name	transient receptor potential cation channel subfamily M member 8
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily M member 8
NCBI Official Symbol	TRPM8
NCBI Official Synonym Symbols	TRPP8; LTRPC6; trp-p8; LTrpC-6
NCBI Protein Information	transient receptor potential cation channel subfamily M member 8
UniProt Protein Name	Transient receptor potential cation channel subfamily M member 8
UniProt Gene Name	TRPM8
UniProt Synonym Gene Names	LTRPC6; TRPP8; LTrpC-6; LTrpC6; Trp-p8
UniProt Entry Name	TRPM8_HUMAN

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.