

Mouse Taste Receptor Type 1 Member 1 (TAS1R1) ELISA Kit | TAS1R1 elisa kit

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CATALOG #
AAA332361

REACTIVITY
Mouse

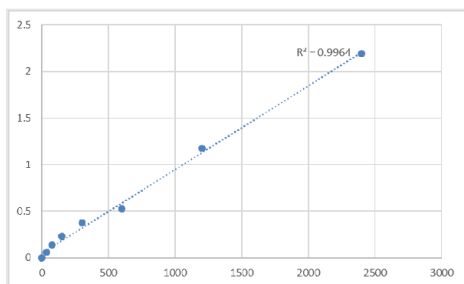
PRODUCT SYNONYMS

Taste Receptor Type 1 Member 1 (TAS1R1); Mouse Taste Receptor Type 1 Member 1 (TAS1R1) ELISA Kit; TAS1R1; GPR70; T1R1; TR1; gm148; G protein-coupled receptor 70; sweet taste receptor T1r; TAS1R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Taste receptor type 1 member 1 (TAS1R1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TAS1R1. No significant cross-reactivity or interference between Mouse TAS1R1 and analogues was observed.
Sequence Length	842
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 Taste receptor type 1 member 1 (TAS1R1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TAS1R1 elisa kit	Description: This Mouse Taste receptor type 1 member 1 (TAS1R1) ELISA Kit employs a two-site sandwich ELISA to quantitate TAS1R1 in samples. An antibody specific for TAS1R1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAS1R1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAS1R1 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 TAS1R1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The protein encoded by TAS1R1 is a G protein-coupled receptor and is a component of the heterodimeric amino acid taste receptor T1R1+3. The T1R1+3 receptor responds to L-amino acids but not to D-enantiomers or other compounds. Most amino acids that are perceived as sweet activate T1R1+3, and this activation is strictly dependent on an intact T1R1+3 heterodimer. Multiple transcript variants encoding different isoforms have been found for TAS1R1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13994192
NCBI GeneID	110326
NCBI Accession #	NP_114073.1
NCBI GenBank Nucleotide #	NP_114073.1
UniProt Accession #	Q99PG6
NCBI Official Full Name	taste receptor type 1 member 1
NCBI Official Synonym Full Names	taste receptor, type 1, member 1
NCBI Official Symbol	Tas1r1
NCBI Official Synonym Symbols	TR1; T1r1; Gpr70
NCBI Protein Information	taste receptor type 1 member 1
UniProt Protein Name	Taste receptor type 1 member 1
UniProt Gene Name	Tas1r1
UniProt Synonym Gene Names	Gpr70; T1r1; Tr1
UniProt Entry Name	TS1R1_MOUSE

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.