

Mouse Taste Receptor Type 1 Member 2 (TAS1R2) ELISA Kit | TAS1R2 elisa kit

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CATALOG #
AAA332362

REACTIVITY
Mouse

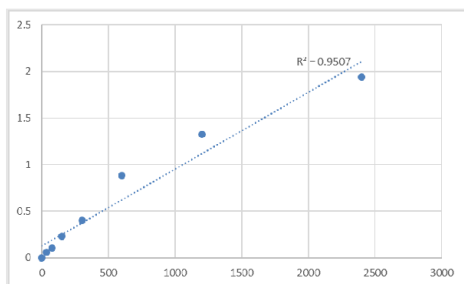
PRODUCT SYNONYMS

Taste Receptor Type 1 Member 2 (TAS1R2); Mouse Taste Receptor Type 1 Member 2 (TAS1R2) ELISA Kit; TAS1R2; GPR71; T1R2; TR2; G protein-coupled receptor 71; TAS1R2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Taste receptor type 1 member 2 (TAS1R2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TAS1R2. No significant cross-reactivity or interference between Mouse TAS1R2 and analogues was observed.
Sequence Length	843
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 2 (TAS1R2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TAS1R2 elisa kit	Description: This Mouse Taste receptor type 1 member 2 (TAS1R2) ELISA Kit employs a two-site sandwich ELISA to quantitate TAS1R2 in samples. An antibody specific for TAS1R2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAS1R2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAS1R2 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 TAS1R2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The protein encoded by the TAS1R2 gene is a G protein-coupled receptor with seven trans-membrane domains and is a component of the heterodimeric amino acid taste receptor T1R2+3. This receptor is formed as a dimer of the TAS1R2 and TAS1R3 proteins. Moreover, the TAS1R2 protein is not functional without formation of the 2+3 heterodimer. Another interesting quality of the TAS1R2 and TAS1R1 genes is their spontaneous activity in the absence of the extracellular domains and binding ligands. This may mean that the extracellular domain regulates function of the receptor by preventing spontaneous action as well as binding to activating ligands such as sucrose.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13994203
NCBI GeneID	83770
NCBI Accession #	NP_114079.1
NCBI GenBank Nucleotide #	NP_114079.1
UniProt Accession #	Q925I4
NCBI Official Full Name	taste receptor type 1 member 2
NCBI Official Synonym Full Names	taste receptor, type 1, member 2
NCBI Official Symbol	Tas1r2
NCBI Official Synonym Symbols	TR2; T1r2; Gpr71
NCBI Protein Information	taste receptor type 1 member 2
UniProt Protein Name	Taste receptor type 1 member 2
UniProt Gene Name	Tas1r2
UniProt Synonym Gene Names	Gpr71; T1r2; Tr2

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/taste-receptor-type-1-member-2-tas1r2/332362>