

Human Taste Receptor Type 2 Member 13 (TAS2R13) ELISA Kit | TAS2R13 elisa kit

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CATALOG #
AAA330702

REACTIVITY
Human

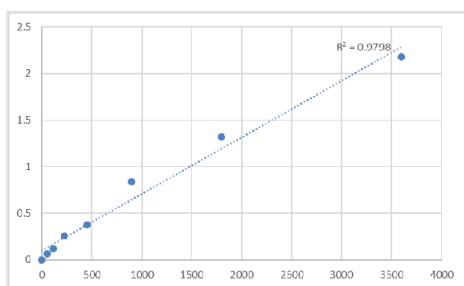
PRODUCT SYNONYMS

Taste Receptor Type 2 Member 13 (TAS2R13); Human Taste Receptor Type 2 Member 13 (TAS2R13) ELISA Kit; TAS2R13; T2R13; TRB3; taste receptor; family B; member 3; TAS2R13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Taste receptor type 2 member 13 (TAS2R13) ELISA Kit has high sensitivity and excellent specificity for detection of Human TAS2R13. No significant cross-reactivity or interference between Human TAS2R13 and analogues was observed.
Sequence Length	303
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 Taste receptor type 2 member 13 (TAS2R13) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TAS2R13 elisa kit	Description: This Human Taste receptor type 2 member 13 (TAS2R13) ELISA Kit employs a two-site sandwich ELISA to quantitate TAS2R13 in samples. An antibody specific for TAS2R13 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAS2R13 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAS2R13 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 TAS2R13 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Taste receptor type 2 member 13 (TAS2R13) belongs to the family of candidate taste receptors that are members of the G-protein-coupled receptor superfamily. These proteins are specifically expressed in the taste receptor cells of the tongue and palate epithelia. They are organized in the genome in clusters and are genetically linked to loci that influence bitter perception in mice and humans. In functional expression studies, they respond to bitter tastants. TAS2R13 maps to the taste receptor gene cluster on chromosome 12p13.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12965178
NCBI GeneID	50838
NCBI Accession #	NP_076409.1
NCBI GenBank Nucleotide #	NP_076409.1
UniProt Accession #	Q9NYV9
NCBI Official Full Name	taste receptor type 2 member 13
NCBI Official Synonym Full Names	taste 2 receptor member 13
NCBI Official Symbol	TAS2R13
NCBI Official Synonym Symbols	TRB3; T2R13
NCBI Protein Information	taste receptor type 2 member 13
UniProt Protein Name	Taste receptor type 2 member 13
UniProt Gene Name	TAS2R13
UniProt Synonym Gene Names	T2R13; TRB3
UniProt Entry Name	T2R13_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.