

Human Taste Receptor Type 2 Member 1 (TAS2R1) ELISA Kit | TAS2R1 elisa kit

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CATALOG #
AAA330699

REACTIVITY
Human

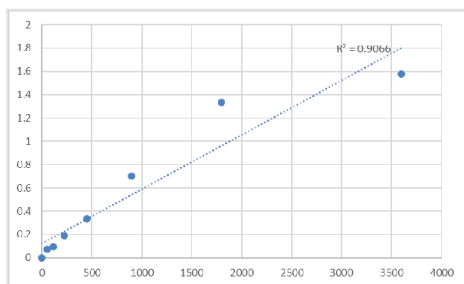
PRODUCT SYNONYMS

Taste Receptor Type 2 Member 1 (TAS2R1); Human Taste Receptor Type 2 Member 1 (TAS2R1) ELISA Kit; TAS2R1; MGC126778; MGC126780; T2R1; TRB7; taste receptor T2R1; taste receptor; family B; member 7; TAS2R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Taste receptor type 2 member 1 (TAS2R1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TAS2R1. No significant cross-reactivity or interference between Human TAS2R1 and analogues was observed.
Sequence Length	299
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 1 (TAS2R1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TAS2R1 elisa kit	Description: This Human Taste receptor type 2 member 1 (TAS2R1) ELISA Kit employs a two-site sandwich ELISA to quantitate TAS2R1 in samples. An antibody specific for TAS2R1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAS2R1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAS2R1 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 TAS2R1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Taste receptor type 2 member 1 (TAS2R1) is a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily and that are specifically expressed by taste receptor cells of the tongue and palate epithelia. This intronless taste receptor gene encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. TAS2R1 is mapped to chromosome 5p15, the location of a genetic locus (PROP) that controls the detection of the bitter compound 6-n-propyl-2-thiouracil.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9625043
NCBI GeneID	50834
NCBI Accession #	NP_062545.1
NCBI GenBank Nucleotide #	NP_062545.1
UniProt Accession #	Q9NYW7
NCBI Official Full Name	taste receptor type 2 member 1
NCBI Official Synonym Full Names	taste 2 receptor member 1
NCBI Official Symbol	TAS2R1
NCBI Official Synonym Symbols	T2R1; TRB7
NCBI Protein Information	taste receptor type 2 member 1
UniProt Protein Name	Taste receptor type 2 member 1
UniProt Gene Name	TAS2R1
UniProt Synonym Gene Names	T2R1; TRB7
UniProt Entry Name	TA2R1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/taste-receptor-type-2-member-1-tas2r1/330699>