

Human Taste Receptor Type 2 Member 14 (TAS2R14) ELISA Kit | TAS2R14 elisa kit

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CATALOG #
AAA330703

REACTIVITY
Human

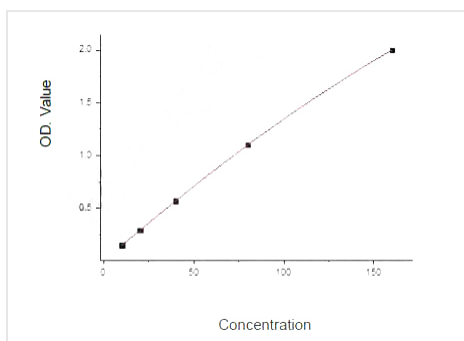
PRODUCT SYNONYMS

Taste Receptor Type 2 Member 14 (TAS2R14); Human Taste Receptor Type 2 Member 14 (TAS2R14) ELISA Kit; TAS2R14; MGC125491; MGC125492; T2R14; TRB1; taste receptor; family B; member 1; TAS2R14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Taste receptor type 2 member 14 (TAS2R14) ELISA Kit has high sensitivity and excellent specificity for detection of Human TAS2R14. No significant cross-reactivity or interference between Human TAS2R14 and analogues was observed.
Sequence Length	317
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	10 pg/ml - 160 pg/ml
Sensitivity	< 1pg/ml
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TAS2R14 elisa kit	Background: Taste receptor type 2 member 14 (TAS2R14) 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. TAS2R14 maps to the taste receptor gene cluster on chromosome 12p13. Principle of the Assay: Human Taste receptor type 2 member 14 (TAS2R14) ELISA Kit employs a two-site sandwich ELISA to quantitate TAS2R14 in samples. An antibody specific for TAS2R14 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAS2R14 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human TAS2R14 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of TAS2R14 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12965182
NCBI GeneID	50840
NCBI Accession #	NP_076411.1
NCBI GenBank Nucleotide #	NP_076411.1
UniProt Accession #	Q9NYV8
NCBI Official Full Name	taste receptor type 2 member 14
NCBI Official Synonym Full Names	taste 2 receptor member 14
NCBI Official Symbol	TAS2R14
NCBI Official Synonym Symbols	TRB1; T2R14
NCBI Protein Information	taste receptor type 2 member 14
UniProt Protein Name	Taste receptor type 2 member 14
UniProt Gene Name	TAS2R14
UniProt Synonym Gene Names	T2R14; TRB1
UniProt Entry Name	T2R14_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/taste-receptor-type-2-member-14-tas2r14/330703>