

## Mouse Taste Receptor Type 2 Member 16 (TAS2R16) ELISA Kit | TAS2R16 elisa kit

Mouse Taste Receptor Type 2 Member 16 (TAS2R16) ELISA Kit

CATALOG #  
**AAA332365**

REACTIVITY  
**Mouse**

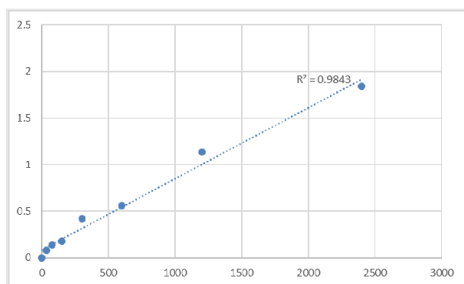
### PRODUCT SYNONYMS

Taste Receptor Type 2 Member 16 (TAS2R16); Mouse Taste Receptor Type 2 Member 16 (TAS2R16) ELISA Kit; TAS2R16; T2R16; candidate taste receptor T2R16; taste receptor T2R16; TAS2R16 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Mouse Taste receptor type 2 member 16 (TAS2R16) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TAS2R16. No significant cross-reactivity or interference between Mouse TAS2R16 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             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Mouse Taste receptor type 2 member 16 (TAS2R16) Standard Curve.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Related Product Information for TAS2R16 elisa kit | <p>Description: This Mouse Taste receptor type 2 member 16 (TAS2R16) ELISA Kit employs a two-site sandwich ELISA to quantitate TAS2R16 in samples. An antibody specific for TAS2R16 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAS2R16 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAS2R16 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 TAS2R16 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: TAS2R16 encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily. These family members are specifically expressed by taste receptor cells of the tongue and palate epithelia. Each of these apparently intronless genes encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. TAS2R16 is clustered with another 3 candidate taste receptor genes in chromosome 7 and is genetically linked to loci that influence bitter perception.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| NCBI GI #                        | 46309593                                             |
| NCBI GeneID                      | 387347                                               |
| NCBI Accession #                 | NP_996905.1                                          |
| NCBI GenBank Nucleotide #        | NP_996905.1                                          |
| UniProt Accession #              | P59529                                               |
| NCBI Official Full Name          | taste receptor type 2 member 16                      |
| NCBI Official Synonym Full Names | taste receptor, type 2, member 118                   |
| NCBI Official Symbol             | Tas2r118                                             |
| NCBI Official Synonym Symbols    | Gm465; T2R16; T2R18; mGR18; mt2r40; Tas2r16; Tas2r18 |
| NCBI Protein Information         | taste receptor type 2 member 16                      |
| UniProt Protein Name             | Taste receptor type 2 member 16                      |
| UniProt Gene Name                | Tas2r16                                              |
| UniProt Synonym Gene Names       | Tas2r118; Tas2r18; T2R16                             |
| UniProt Entry Name               | T2R16_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.