

Mouse Taste Receptor Type 1 Member 3 (TAS1R3) ELISA Kit | TAS1R3 elisa kit

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CATALOG #
AAA332363

REACTIVITY
Mouse

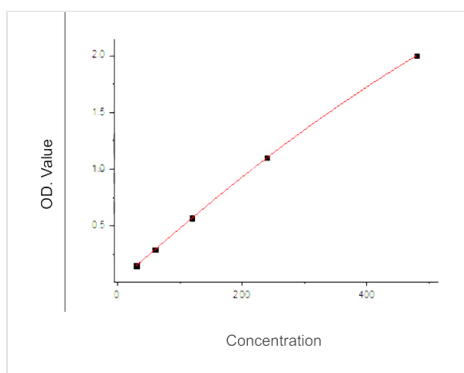
PRODUCT SYNONYMS

Taste Receptor Type 1 Member 3 (TAS1R3); Mouse Taste Receptor Type 1 Member 3 (TAS1R3) ELISA Kit; TAS1R3; T1R3; TAS1R3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Taste Receptor Type 1 Member 3 (TAS1R3) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TAS1R3. No significant cross-reactivity or interference between Mouse TAS1R3 and analogues was observed.
Sequence Length	858
Assay Type	Sandwich
Samples	Mouse serum, cell culture supernates and other biological fluids
Detection Range	30 ng/L - 480 ng/L
Sensitivity	< 1ng/L
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 TAS1R3 elisa kit	Background: The protein encoded by TAS1R3 is a G-protein coupled receptor involved in taste responses. The encoded protein can form a heterodimeric receptor with TAS1R1 to elicit the umami taste response, or it can bind with TAS1R2 to form a receptor for the sweet taste response. Principle of the Assay: Mouse Taste Receptor Type 1 Member 3 (TAS1R3) ELISA Kit employs a two-site sandwich ELISA to quantitate TAS1R3 in samples. An antibody specific for TAS1R3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAS1R3 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Mouse TAS1R3 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 TAS1R3 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 #	13994201
NCBI GeneID	83771
NCBI Accession #	NP_114078.1
NCBI GenBank Nucleotide #	NP_114078.1
UniProt Accession #	Q925D8
NCBI Official Full Name	taste receptor type 1 member 3
NCBI Official Synonym Full Names	taste receptor, type 1, member 3
NCBI Official Symbol	Tas1r3
NCBI Official Synonym Symbols	Sac; T1r3
NCBI Protein Information	taste receptor type 1 member 3
UniProt Protein Name	Taste receptor type 1 member 3
UniProt Gene Name	Tas1r3
UniProt Synonym Gene Names	Sac; T1r3; Tr3
UniProt Entry Name	TS1R3_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/taste-receptor-type-1-member-3-tas1r3/332363>