

Mouse Taste Receptor Type 1 Member 2 (TAS1R2) ELISA Kit | TAS1R2 elisa kit

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CATALOG #
AAA66462

REACTIVITY
Mouse

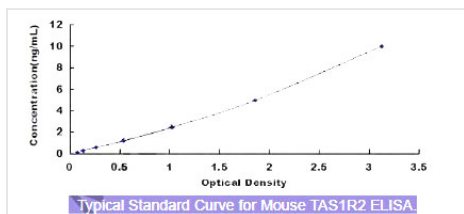
PRODUCT SYNONYMS

Taste Receptor Type 1 Member 2 (TAS1R2); Mouse Taste Receptor Type 1 Member 2 (TAS1R2) ELISA Kit; TR2; GPR71; T1R2; G Protein-Coupled Receptor 71; Sweet taste receptor T1R2; TAS1R2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of TAS1R2. No significant cross-reactivity or interference between TAS1R2 and analogues was observed.
Sequence Length	843
Samples	Mouse tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.043ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TAS1R2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TAS1R2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TAS1R2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TAS1R2 in mouse tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TAS1R2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TAS1R2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TAS1R2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TAS1R2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13994203
NCBI GeneID	83770
NCBI Accession #	NP_114079.1
NCBI GenBank Nucleotide #	NM_031873.1
UniProt Accession #	Q925I4; Q923J8; B1AXX0
Molecular Weight	95,736 Da
NCBI Official Full Name	taste receptor type 1 member 2
NCBI Official Synonym Full Names	taste receptor, type 1, member 2
NCBI Official Symbol	Tas1r2
NCBI Official Synonym Symbols	TR2; T1r2; Gpr71
NCBI Protein Information	taste receptor type 1 member 2
UniProt Protein Name	Taste receptor type 1 member 2
UniProt Gene Name	Tas1r2
UniProt Synonym Gene Names	Gpr71; T1r2; Tr2

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-2-tas1r2/66462>