

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

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CATALOG #
AAA247374

REACTIVITY
Mouse

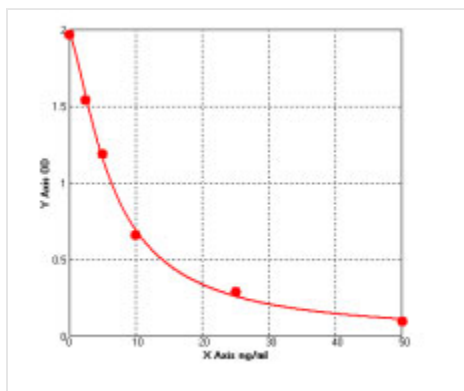
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of TAS1R3. No significant cross-reactivity or interference between TAS1R3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TAS1R3 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	858
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 91% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TAS1R3 elisa kit	Principle of the Assay: TAS1R3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TAS1R3 antibody and an TAS1R3-HRP conjugate. The assay sample and buffer are incubated together with TAS1R3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TAS1R3 concentration since TAS1R3 from samples and TAS1R3-HRP conjugate compete for the anti-TAS1R3 antibody binding site. Since the number of sites is limited, as more sites are occupied by TAS1R3 from the sample, fewer sites are left to bind TAS1R3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TAS1R3 concentration in each sample is interpolated from this standard curve. Intended Uses: This TAS1R3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse TAS1R3. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	186777747
NCBI GeneID	170634
NCBI Accession #	NP_570831.1
NCBI GenBank Nucleotide #	NM_130818.1
UniProt Accession #	Q923K1
Molecular Weight	94,846 Da
NCBI Official Full Name	taste receptor type 1 member 3
NCBI Official Synonym Full Names	taste 1 receptor member 3
NCBI Official Symbol	Tas1r3
NCBI Official Synonym Symbols	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	T1r3; Tr3

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/tas1r3-mouse-elisa-kits/taste-receptor-type-1-member-3/247374>