

Human Taste receptor type 2 member 38 ELISA Kit | TAS2R38 elisa kit

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CATALOG #
AAA100440

REACTIVITY
Human

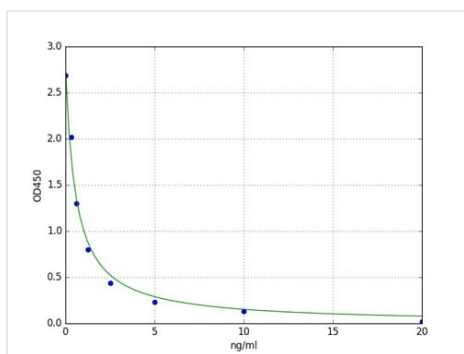
PRODUCT SYNONYMS

Taste receptor type 2 member 38; Human Taste receptor type 2 member 38 ELISA Kit; TAS2R38/Taste receptor type 2 member 38/T2R38/PTC bitter taste receptor/Taste receptor type 2 member 61/T2R61; TAS2R38 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	333
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Human TAS2R38 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	312.5	625	1250	2500	5000	10000	20000
Y	OD450	2.442	2.12	1.675	1.287	0.915	0.618	0.483	0.362

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TAS2R38 elisa kit

Principle of the Assay||This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human TAS2R38. During the reaction, Human TAS2R38 in the sample or standard competes with a fixed amount of biotin-labeled Human TAS2R38 for sites on a pre-coated Monoclonal antibody specific to Human TAS2R38. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of Human TAS2R38 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	261490645
NCBI GeneID	5726
NCBI Accession #	NP_789787.4
NCBI GenBank Nucleotide #	NM_176817.4
Molecular Weight	37,892 Da
NCBI Official Full Name	taste receptor type 2 member 38
NCBI Official Synonym Full Names	taste 2 receptor member 38
NCBI Official Symbol	TAS2R38
NCBI Official Synonym Symbols	PTC; T2R38; T2R61
NCBI Protein Information	taste receptor type 2 member 38
UniProt Protein Name	Taste receptor type 2 member 38
UniProt Gene Name	TAS2R38
UniProt Synonym Gene Names	PTC; T2R38; T2R61
UniProt Entry Name	T2R38_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/tas2r38-human-elisa-kits/taste-receptor-type-2-member-38/100440>