

Mouse Trace Amine-Associated Receptor 2 (TAAR2) ELISA Kit | TAAR2 elisa kit

Mouse Trace Amine-Associated Receptor 2 (TAAR2) ELISA Kit

CATALOG #
AAA332332

REACTIVITY
Mouse

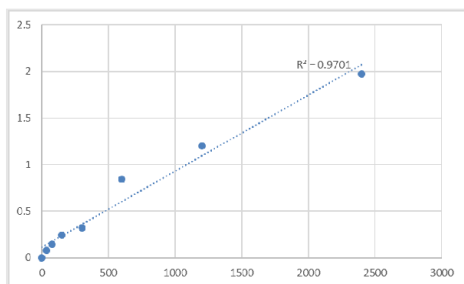
PRODUCT SYNONYMS

Trace Amine-Associated Receptor 2 (TAAR2); Mouse Trace Amine-Associated Receptor 2 (TAAR2) ELISA Kit; TAAR2; GPR58; G protein-coupled receptor 58; OTTHUMP00000017225; TAAR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Trace amine-associated receptor 2 (TAAR2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TAAR2. No significant cross-reactivity or interference between Mouse TAAR2 and analogues was observed.
Sequence Length	339
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Trace amine-associated receptor 2 (TAAR2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TAAR2 elisa kit	Description: This Mouse Trace amine-associated receptor 2 (TAAR2) ELISA Kit employs a two-site sandwich ELISA to quantitate TAAR2 in samples. An antibody specific for TAAR2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAAR2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAAR2 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 TAAR2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Trace amine-associated receptor 2 (TAAR2), formerly known as G protein-coupled receptor 58 (GPR58), is a protein that in humans is encoded by the TAAR2 gene. TAAR2 is coexpressed with Galpha proteins; however, as of February 2017, its signal transduction mechanisms have not been determined. Human TAAR2 (hTAAR2) is expressed in the cerebellum, olfactory sensory neurons in the olfactory epithelium, and leukocytes (i.e., white blood cells), among other tissues.[7][8] hTAAR1 and hTAAR2 are both required for white blood cell activation by trace amines in granulocytes.[9] Phenethylamine, para-tyramine, and 3-iodothyronamine are full agonists of hTAAR2 with EC50 values of 0.43 +/- 0.05 nM, 0.52 +/- 0.05 nM, and 0.25 +/- 0.04 nM respectively. A single nucleotide polymorphism nonsense mutation of the TAAR2 gene is associated with schizophrenia. TAAR2 is a probable pseudogene in 10-15% of Asians as a result of a polymorphism that produces a premature stop codon at amino acid 168.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	56605936
NCBI GeneID	209512
NCBI Accession #	NP_001007267.1
NCBI GenBank Nucleotide #	NP_001007267.1
UniProt Accession #	Q5QD17
NCBI Official Full Name	trace amine-associated receptor 2
NCBI Official Synonym Full Names	trace amine-associated receptor 2
NCBI Official Symbol	Taar2
NCBI Official Synonym Symbols	Gm224; Gm225; Gpr58; Tarr2
NCBI Protein Information	trace amine-associated receptor 2
UniProt Protein Name	Trace amine-associated receptor 2
UniProt Gene Name	Taar2
UniProt Synonym Gene Names	Gm225; Gpr58; TaR-2; Trace amine receptor 2; mTaar2
UniProt Entry Name	TAAR2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/trace-amine-associated-receptor-2-taar2/332332>