

Mouse Trace Amine-Associated Receptor 1 (TAAR1) ELISA Kit | TAAR1 elisa kit

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CATALOG #
AAA332331

REACTIVITY
Mouse

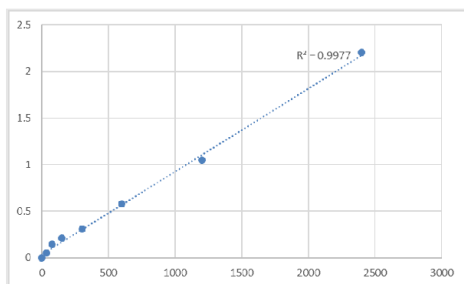
PRODUCT SYNONYMS

Trace Amine-Associated Receptor 1 (TAAR1); Mouse Trace Amine-Associated Receptor 1 (TAAR1) ELISA Kit; TAAR1; MGC126874; MGC138399; RP11-295F4.9; TA1; TAR1; TRAR1; trace amine receptor 1; TAAR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Trace amine-associated receptor 1 (TAAR1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TAAR1. No significant cross-reactivity or interference between Mouse TAAR1 and analogues was observed.
Sequence Length	332
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 1 (TAAR1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TAAR1 elisa kit	Description: This Mouse Trace amine-associated receptor 1 (TAAR1) ELISA Kit employs a two-site sandwich ELISA to quantitate TAAR1 in samples. An antibody specific for TAAR1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAAR1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAAR1 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 TAAR1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The protein encoded by TAAR1 is a G-protein coupled receptor activated by trace amines. The encoded protein responds little or not at all to dopamine, serotonin, epinephrine, or histamine, but responds well to beta-phenylethylamine, p-tyramine, octopamine, and tryptamine. While primarily functioning in neurologic systems, there is evidence that this gene is involved in blood cell and immunologic functions as well. TAAR1 is thought to be intronless.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16716513
NCBI GeneID	111174
NCBI Accession #	NP_444435.1
NCBI GenBank Nucleotide #	NP_444435.1
UniProt Accession #	Q923Y8
NCBI Official Full Name	trace amine-associated receptor 1
NCBI Official Synonym Full Names	trace amine-associated receptor 1
NCBI Official Symbol	Taar1
NCBI Official Synonym Symbols	Tar1; Trar1; taR-1
NCBI Protein Information	trace amine-associated receptor 1
UniProt Protein Name	Trace amine-associated receptor 1
UniProt Gene Name	Taar1
UniProt Synonym Gene Names	Ta1; Tar1; Trar1; TaR-1; Trace amine receptor 1
UniProt Entry Name	TAAR1_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.