

Mouse Thyrotropin-Releasing Hormone (TRH) ELISA Kit | TRH elisa kit

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CATALOG #
AAA332072

REACTIVITY
Mouse

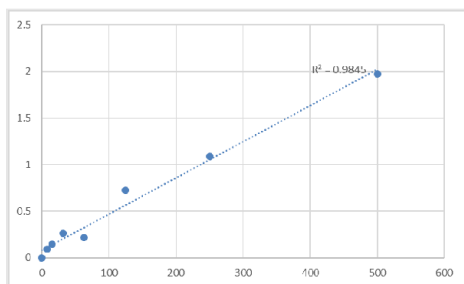
PRODUCT SYNONYMS

Thyrotropin-Releasing Hormone (TRH); Mouse Thyrotropin-Releasing Hormone (TRH) ELISA Kit; TRH; MGC125964; MGC125965; TRH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Thyrotropin-releasing hormone (TRH) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TRH. No significant cross-reactivity or interference between Mouse TRH and analogues was observed.
Sequence Length	256
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 Thyrotropin-releasing hormone (TRH) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TRH elisa kit	Description: This Mouse Thyrotropin-releasing hormone (TRH) ELISA Kit employs a two-site sandwich ELISA to quantitate TRH in samples. An antibody specific for TRH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TRH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TRH 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 TRH bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Thyrotropin releasing hormone, a hormone secreted by the hypothalamus that stimulates release of thyrotropin. TRH can also be detected in other areas of the body including the gastrointestinal system and pancreatic islets. Thyroid-stimulating hormone, also known as thyrotropin, is secreted from cells in the anterior pituitary called thyrotrophs. The most important controller of TSH secretion is thyroid-releasing hormone. TRH is produced by the hypothalamus in medial neurons of the paraventricular nucleus. Initially, it is synthesized as a 242 amino acid precursor polypeptide that contains 6 copies of the sequence -Gln-His-Pro-Gly-, flanked by di-basic peptides that are later processed through proteolysis to give the mature TRH molecule.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134031937
NCBI GeneID	22044
NCBI Accession #	NP_033452.2
NCBI GenBank Nucleotide #	NP_033452.2
UniProt Accession #	Q62361
NCBI Official Full Name	thyrotropin releasing hormone preproprotein
NCBI Official Synonym Full Names	thyrotropin releasing hormone
NCBI Official Symbol	Trh
NCBI Official Synonym Symbols	Trf; Pro-TRH
NCBI Protein Information	thyrotropin releasing hormone
UniProt Protein Name	Pro-thyrotropin-releasing hormone
UniProt Gene Name	Trh
UniProt Synonym Gene Names	Pro-TRH; TRH; TRF

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.