

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

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CATALOG #
AAA330169

REACTIVITY
Rat

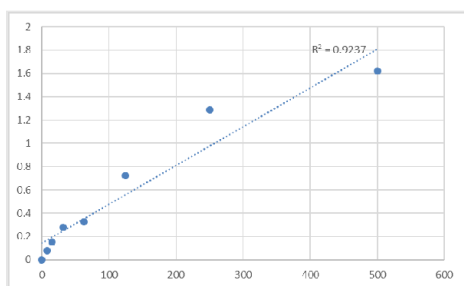
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Thyrotropin-releasing hormone (TRH) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TRH. No significant cross-reactivity or interference between Rat TRH and analogues was observed.
Sequence Length	255
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. Rat Thyrotropin-releasing hormone (TRH) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TRH elisa kit	Description: This Rat 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 (TRH) acts as a stimulator of hormone secretion from adenohypophyseal cells, and its signals are inactivated by TRH-degrading ectoenzyme. The deduced 1,024-amino acid type II integral transmembrane protein is 96% identical to the rat protein. It has 12 putative C-terminal N-glycosylation sites, a potential tyrosine sulfation site (residue 380), a consensus sequence for zinc-dependent metallopeptidases, and a short N-terminal intracellular domain with a potential phosphorylation site. Northern blot analysis revealed expression of 7.5-, 7.0-, 6.0-, and 4.5-kb transcripts. Strongest expression was in brain, with weaker expression in heart, lung, liver, and skeletal muscle, and no expression in kidney and placenta.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7242211
NCBI GeneID	25569
NCBI Accession #	NP_037178.1
NCBI GenBank Nucleotide #	NP_037178.1
UniProt Accession #	P01150
NCBI Official Full Name	thyrotropin releasing hormone preproprotein
NCBI Official Synonym Full Names	thyrotropin releasing hormone
NCBI Official Symbol	Trh
NCBI Official Synonym Symbols	THR; Trf; TRH01; Pro-TRH
NCBI Protein Information	thyrotropin releasing hormone
UniProt Protein Name	Prothyroliberin
UniProt Gene Name	Trh
UniProt Entry Name	TRH_RAT

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.