

Mouse Thyrotropin Releasing Hormone ELISA Kit | TRH elisa kit

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CATALOG #
AAA82959

REACTIVITY
Mouse

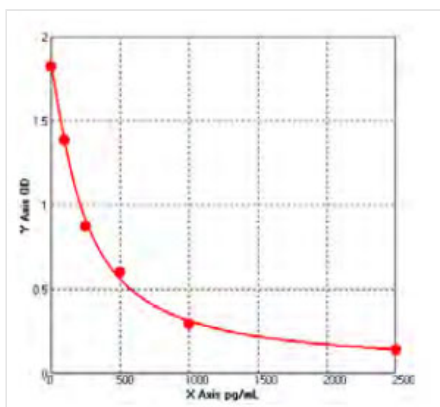
PRODUCT SYNONYMS

Thyrotropin Releasing Hormone; Mouse Thyrotropin Releasing Hormone ELISA Kit; TRH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of TRH. No significant cross-reactivity or interference between TRH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TRH and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Highest Standards	500pg/mL
Concentration of Standards	Concentration of Standards
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TRH elisa kit	Principle of the Assay: TRH ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TRH antibody and an TRH-HRP conjugate. The assay sample and buffer are incubated together with TRH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TRH concentration since TRH from samples and TRH-HRP conjugate compete for the anti-TRH antibody binding site. Since the number of sites is limited, as more sites are occupied by TRH from the sample, fewer sites are left to bind TRH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TRH concentration in each sample is interpolated from this standard curve. Intended Uses: This TRH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse TRH. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for TRH elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	71896293
NCBI GeneID	414344
NCBI Accession #	NP_001025554.1
NCBI GenBank Nucleotide #	NM_001030383.2
Molecular Weight	30,337 Da
NCBI Official Full Name	thyrotropin releasing hormone preproprotein
NCBI Official Synonym Full Names	thyrotropin-releasing hormone
NCBI Official Symbol	TRH
NCBI Official Synonym Symbols	Pro-TRH
NCBI Protein Information	thyrotropin releasing hormone; prothyroliberin; pro-thyrotropin-releasing hormone; prepro-thyrotropin-releasing hormone
UniProt Protein Name	Pro-thyrotropin-releasing hormone
UniProt Gene Name	TRH
UniProt Synonym Gene Names	Pro-TRH; TRH; TRF
UniProt Entry Name	TRH_CHICK

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://www.aaabiotech.com/trh-mouse-elisa-kits/thyrotropin-releasing-hormone/82959>