

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

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CATALOG #
AAA139842

REACTIVITY
Rat

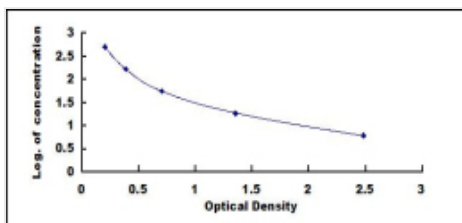
PRODUCT SYNONYMS

Thyrotropin Releasing Hormone (TRH); Rat Thyrotropin Releasing Hormone (TRH) ELISA Kit; TRF; Thyrotropin-Releasing Factor; Thyroliberin; Protirelin; Pro-tirelin; Prothyroliberin; TSH-releasing factor; TRH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Thyrotropin Releasing Hormone (TRH). No significant cross-reactivity or interference between Thyrotropin Releasing Hormone (TRH) and analogues was observed.
Sequence Length	242
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	6.17-500pg/mL
Sensitivity	2.38pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Thyrotropin Releasing Hormone (TRH) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Thyrotropin Releasing Hormone (TRH) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TRH elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Thyrotropin Releasing Hormone (TRH) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Thyrotropin Releasing Hormone (TRH) and unlabeled Thyrotropin Releasing Hormone (TRH) (Standards or samples) with the pre-coated antibody specific to Thyrotropin Releasing Hormone (TRH). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Thyrotropin Releasing Hormone (TRH) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Thyrotropin Releasing Hormone (TRH) in the sample.
Product Categories/Family for TRH elisa kit	Endocrinology; Neuroscience; Hepatology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005920
NCBI GeneID	7200
NCBI Accession #	NP_009048.1
NCBI GenBank Nucleotide #	NM_007117.4
UniProt Accession #	P20396; Q2TB83; B2R8R1
Molecular Weight	27,404 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	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
UniProt Entry Name	TRH_HUMAN

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://stage.aaabiotech.com/rat-elisa-kits/thyrotropin-releasing-hormone-trh/139842>