

# ELISA Kit for Thyrotropin Releasing Hormone (TRH)

Catalog No: tcue1670



## Available Sizes

**Size:** 96T



## Specifications

**Research Area:**

Endocrinology;Neuro science;Hepatology;Hormone metabolism;

**Species Reactivity:**

Rattus norvegicus (Rat)

**Sample Type:**

serum, plasma and other biological fluids

**Sensitivity:**

The minimum detectable dose of this kit is typically less than 2.43pg/mL

**Detection Range:**

6.17-500pg/mL

**Assay Time:**

2h

**Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

**Tested Application:**

ELISA

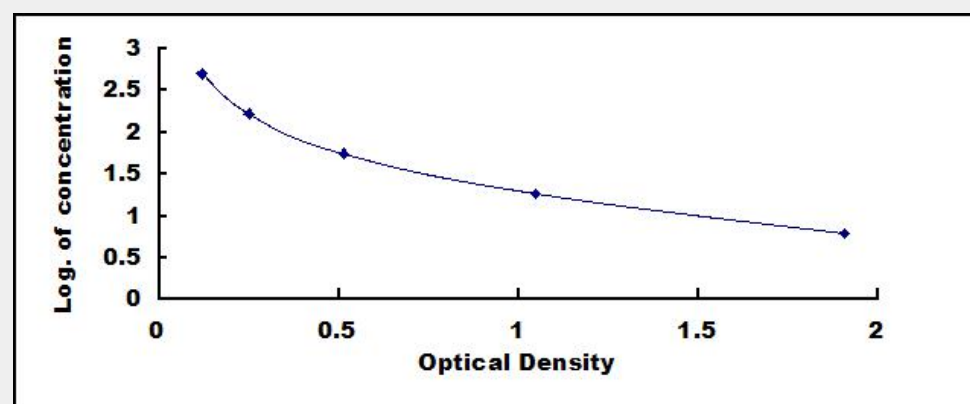
**SwissProt:**

P01150

## Test Principle

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.



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