

Datasheet for ABIN6730542

TRH ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	96 tests
Target:	TRH
Reactivity:	Rat, Human, Mouse
Method Type:	Competition ELISA
Detection Range:	0.1 ng/mL - 1000 ng/mL
Minimum Detection Limit:	0.1 ng/mL
Application:	ELISA

Product Details

Purpose:	Human/Mouse/Rat Thyrotropin-releasing hormone EIA Kit optimized for serum and cell culture media. Competition-based ELISA on a 96-well strip plate.
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This EIA kit is designed to detect human, mouse, and rat Thyrotropin-releasing hormone
Sensitivity:	0.6 ng/mL
Characteristics:	<ul style="list-style-type: none">• Strip plates and additional reagents allow for use in multiple experiments• Quantitative protein detection• Establishes normal range• The best products for confirmation of antibody array data

Product Details

Components:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Standard Peptide• Assay Diluent(s)• Biotinylated Peptide• HRP-Streptavidin• TMB One-Step Substrate• Stop Solution• Assay Diagram• Positive Control Sample• Capture Antibody• User Manual
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Material not included:	<ul style="list-style-type: none">• Distilled or deionized water• Precision pipettes to deliver 2 μL to 1 mL volumes• Adjustable 1-25 mL pipettes for reagent preparation• 100 mL and 1 liter graduated cylinders• Tubes to prepare standard and sample dilutions• Orbital shaker• Aluminum foil• Saran Wrap• Absorbent paper• Microplate reader capable of measuring absorbance at 450nm• SigmaPlot software (or other software that can perform four-parameter logistic regression models)
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Target Details

Target:	TRH
Alternative Name:	Thyrotropin-releasing hormone (TRH Products)
Gene ID:	22044
UniProt:	Q62361
Pathways:	Positive Regulation of Peptide Hormone Secretion, Feeding Behaviour

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Protocol:	<ol style="list-style-type: none">1. Prepare all reagents, samples and standards as instructed.2. Add 100 μL detection antibody to each well.

Application Details

3. Incubate 1.5 h at RT or O/N at 4 °C.
4. Add 100 µL standard or sample to each well.
5. Incubate 2.5 h at RT.
6. Add 100 µL prepared streptavidin solution.
7. Incubate 45 min at RT.
8. Add 100 µL TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 µL Stop Solution to each well.
11. Read plate at 450 nm immediately.

Reagent Preparation: Recommended Dilution for serum and plasma samples Human: 8x / Mouse: 8x / Rat: 8x

Restrictions: For Research Use only

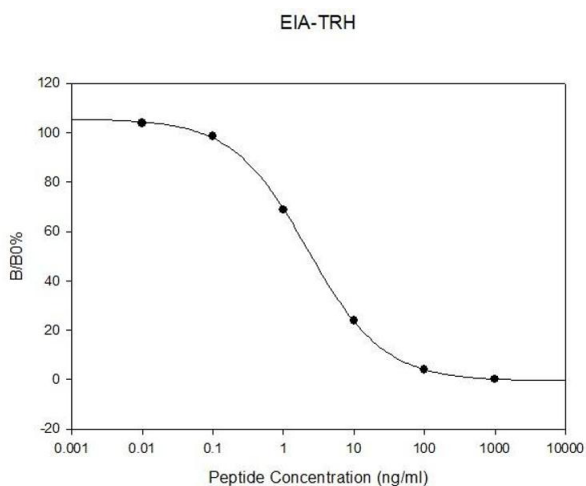
Handling

Storage: -20 °C

Storage Comment: Standard, biotinylated peptide, and positive control should be stored at -20°C after arrival. Avoid multiple freeze-thaws. The remaining kit components may be stored at 4°C. Opened microplate wells and antibody (Item N) may be stored for up to 1 month at 2° to 8°C. Return unused wells to the pouch containing desiccant pack and reseal along entire edge.

Expiry Date: 6 months

Images



ELISA

Image 1. Standard Curve