

Rat Thyroid Stimulating Hormone (TSH) ELISA Kit | TSH elisa kit

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CATALOG #
AAA330166

REACTIVITY
Rat

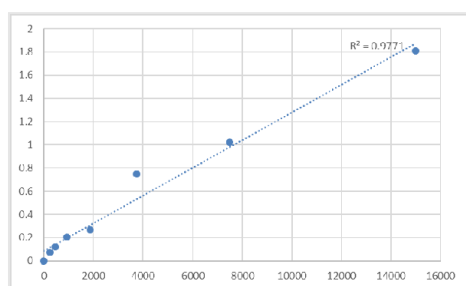
PRODUCT SYNONYMS

Thyroid Stimulating Hormone (TSH); Rat Thyroid Stimulating Hormone (TSH) ELISA Kit; TSH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Thyroid Stimulating Hormone (TSH) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TSH. No significant cross-reactivity or interference between Rat TSH and analogues was observed.
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 Thyroid Stimulating Hormone (TSH) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TSH elisa kit	Description: This Rat Thyroid Stimulating Hormone (TSH) ELISA Kit employs a two-site sandwich ELISA to quantitate TSH in samples. An antibody specific for TSH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TSH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TSH 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 TSH bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Thyrotropin-stimulating hormone (TSH) is a noncovalently linked glycoprotein heterodimer and is part of a family of pituitary hormones containing a common alpha subunit (TSHA) and a unique beta subunit that confers specificity. Using bovine TSHB cDNA as probe, Hayashizaki et al. (1985) cloned TSHB from human liver and leukocyte genomic DNA libraries. Human TSHB encodes a deduced protein consisting of a 20-amino acid signal sequence, a mature protein of 112 amino acids, and a C-terminal extension of 6 hydrophobic amino acids. Wondisford et al. (1988) also cloned the human TSHB gene. Wondisford et al. (1988) determined that the TSHB gene contains 3 exons, the first of which is noncoding. The rat TSHB gene also contains one 5-prime noncoding exon, whereas the mouse Tshb gene contains 3.
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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/thyroid-stimulating-hormone-tsh/330166>