

Rat TSH ELISA Kit | TSH elisa kit

Rat TSH ELISA

CATALOG # AAA72635	REACTIVITY Rat
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PRODUCT SYNONYMS

TSH; Rat TSH ELISA; TSH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Chemically similar substances were tested for their cross reactivity to the specific analyte.
Sequence Length	1377
Assay Type	Quantitative Sandwich
Sensitivity	0.081 ng/ml
Intra-assay Precision	The intra-assay variation was determined by 20 replicate measurements of 3 samples within one run. The within-assay variability is shown below'
Inter-assay Precision	The inter-assay (between-run) variation of 3 serum samples was determined in 9 different assays.
Preparation and Storage	2 - 8 degree C

ADDITIONAL INFORMATION

Related Product Information for TSH elisa kit	Principle of the Assay: The test kit is a solid phase enzyme-linked immunosorbent assay (ELISA) in the microplate format, designed for the quantitative measurement of TSH in rat serum. The microplate is coated with a monoclonal antibody specific for TSH. Calibrators and samples are pipetted into the antibody coated microplate. Afterwards, a polyclonal horseradish peroxidase-labeled antibody is added. During a 16-24 hours incubation at 4-8°C sandwich complexes consisting of the two antibodies and the rat TSH IS formed. Non-reactive components are removed by a washing step. A chromogenic substrate. TMB (3.3'.5.5'-Tetra-Methyl-Benzidine). IS added to all wells. During a 30 minutes incubation, the substrate is converted to a colored end product (blue) by the fixed enzyme. Enzyme reaction is stopped by dispensing of hydrochloric acid as stop solution (change from blue to yellow). The color intensity is direct proportional to the concentration of rat TSH present in the sample. The optical density of the color solution is measured with a microplate reader at 450 nm. Intended Uses: TSH rat ELISA is an enzyme immunoassay for the quantitative measurement of TSH in rat serum. For research use only. Not for use in test procedures.
Product Categories/Family for TSH elisa kit	Endocrinology ; Hormones ; Oncology ; Research Assays ; Assay Categories

NCBI AND UNIPROT INFORMATION

NCBI GI #	695199729
NCBI Accession #	YP_009076399.1
NCBI GenBank Nucleotide #	NG_035300.1
Molecular Weight	148,227 Da
NCBI Official Full Name	Tsh

UniProt Protein Name	Temperature-sensitive hemagglutinin tsh autotransporter
UniProt Gene Name	tsh
UniProt Entry Name	TSH_ECOLX

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/rat-elisa-kits/tsh/72635>