

Rat Thyroid Stimulating Hormone Receptor (TSHR) ELISA Kit | TSHR elisa kit

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CATALOG #
AAA136512

REACTIVITY
Rat

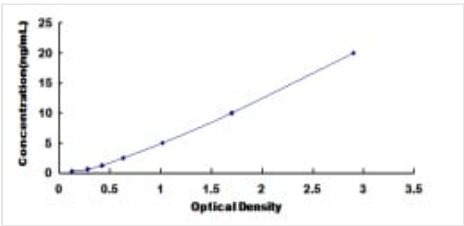
PRODUCT SYNONYMS

Thyroid Stimulating Hormone Receptor (TSHR); Rat Thyroid Stimulating Hormone Receptor (TSHR) ELISA Kit; LGR3; HTSHR-I; Thyrotropin Receptor; TSH Receptor; TSHR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Thyroid Stimulating Hormone Receptor (TSHR). No significant cross-reactivity or interference between Thyroid Stimulating Hormone Receptor (TSHR) and analogues was observed.
Sequence Length	764
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.118ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Thyroid Stimulating Hormone Receptor (TSHR) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Thyroid Stimulating Hormone Receptor (TSHR) 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 TSHR elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Thyroid Stimulating Hormone Receptor (TSHR). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Thyroid Stimulating Hormone Receptor (TSHR). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Thyroid Stimulating Hormone Receptor (TSHR), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Thyroid Stimulating Hormone Receptor (TSHR) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TSHR elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	38016895
NCBI GeneID	7253
UniProt Accession #	P16473; Q16503; Q8TB90; Q96GT6; Q9P1V4; Q9ULA3; Q9UPH3; A0PJU7; F5GYU5; G3V2A9
Molecular Weight	30,800 Da
NCBI Official Full Name	thyroid stimulating hormone receptor
NCBI Official Synonym Full Names	thyroid stimulating hormone receptor
NCBI Official Symbol	TSHR
NCBI Official Synonym Symbols	LGR3; CHNG1; hTSHR-I
NCBI Protein Information	thyrotropin receptor
UniProt Protein Name	Thyrotropin receptor
UniProt Gene Name	TSHR
UniProt Synonym Gene Names	LGR3; TSH-R
UniProt Entry Name	TSHR_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.