

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

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CATALOG #
AAA68739

REACTIVITY
Human

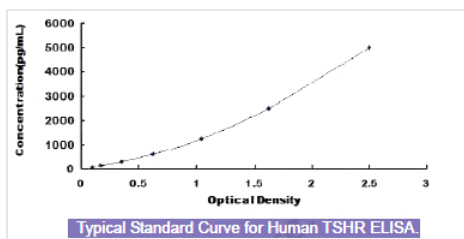
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TSHR. No significant cross-reactivity or interference between TSHR and analogues was observed.
Sequence Length	764
Samples	Tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	<25.4pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TSHR were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TSHR were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TSHR elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TSHR in human tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TSHR. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 TSHR in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	64085121
NCBI GeneID	7253
NCBI Accession #	NP_000360.2
NCBI GenBank Nucleotide #	NM_000369.2
UniProt Accession #	P16473; Q16503; Q8TB90; Q96GT6; Q9P1V4; Q9ULA3; Q9UPH3; A0PJU7; F5GYU5; G3V2A9
Molecular Weight	30,800 Da
NCBI Official Full Name	thyrotropin receptor isoform 1
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

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/human-elisa-kits/thyroid-stimulating-hormone-receptor-tshr/68739>