

Human Thyrotropin subunit beta (TSHB) ELISA Kit | TSHB elisa kit

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CATALOG #
AAA246572

REACTIVITY
Human

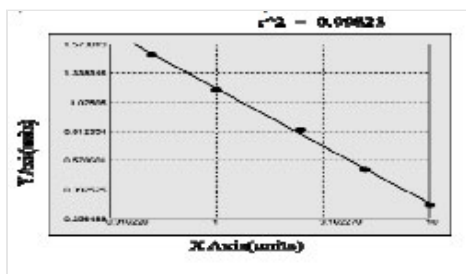
PRODUCT SYNONYMS

Thyrotropin subunit beta (TSHB); Human Thyrotropin subunit beta (TSHB) ELISA Kit; Human Thyrotropin subunit b (TSHB) ELISA Kit; TSHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100 mIU/mL
Sensitivity	1.0 mIU/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TSHB elisa kit

Intended Uses: This TSHbeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TSHbeta. This ELISA kit for research use only!

Principle of the Assay||TSHbeta ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TSHbeta antibody and an TSHbeta-HRP conjugate. The assay sample and buffer are incubated together with TSHbeta-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TSHbeta concentration since TSHbeta from samples and TSHbeta-HRP conjugate compete for the anti-TSHbeta antibody binding site. Since the number of sites is limited, as more sites are occupied by TSHbeta from the sample, fewer sites are left to bind TSHbeta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TSHbeta concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115430099
NCBI GeneID	7252
NCBI Accession #	NP_000540.2
NCBI GenBank Nucleotide #	NM_000549.4
Molecular Weight	10,624 Da
NCBI Official Full Name	thyrotropin subunit beta isoform 1
NCBI Official Synonym Full Names	thyroid stimulating hormone, beta
NCBI Official Symbol	TSHB
NCBI Official Synonym Symbols	TSH-B; TSH-BETA
NCBI Protein Information	thyrotropin subunit beta; thyrotropin beta chain
UniProt Protein Name	Thyrotropin subunit beta
UniProt Gene Name	TSHB
UniProt Synonym Gene Names	TSH-B; TSH-beta
UniProt Entry Name	TSHB_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/thyrotropin-subunit-beta-tshb/246572>