

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

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CATALOG #
AAA245402

REACTIVITY
Chicken

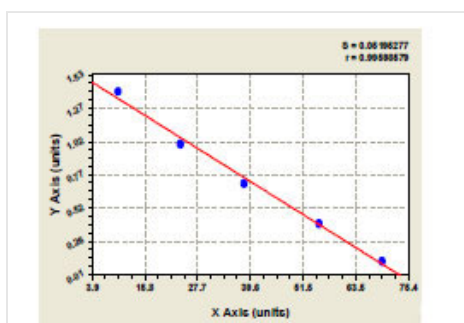
PRODUCT SYNONYMS

Thyrotropin subunit beta (TSHB); Chicken Thyrotropin subunit beta (TSHB) ELISA Kit; TSHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for TSHB elisa kit

Intended Uses: This TSHB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken TSHB.

Principle of the Assay: TSHB ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-TSHB antibody and an TSHB-HRP conjugate. The assay sample and buffer are incubated together with TSHB-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 TSHB concentration since TSHB from samples and TSHB-HRP conjugate compete for the anti-TSHB antibody binding site. Since the number of sites is limited, as more sites are occupied by TSHB from the sample, fewer sites are left to bind TSHB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TSHB concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TSHB elisa kit

Signal Transduction

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/chicken-elisa-kits/thyrotropin-subunit-beta-tshb/245402>