

Rat Thyroid hormone receptor beta (THRB) ELISA Kit | THRB elisa kit

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CATALOG #
AAA245281

REACTIVITY
Rat

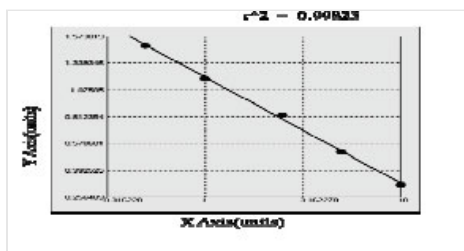
PRODUCT SYNONYMS

Thyroid hormone receptor beta (THRB); Rat Thyroid hormone receptor beta (THRB) ELISA Kit; THRB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for THRB elisa kit

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

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

Product Categories/Family for THRB elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	358001057
NCBI GeneID	7068
NCBI Accession #	NP_001239563.1
NCBI GenBank Nucleotide #	NM_001252634.1
Molecular Weight	54,449 Da
NCBI Official Full Name	thyroid hormone receptor beta
NCBI Official Synonym Full Names	thyroid hormone receptor, beta
NCBI Official Symbol	THRB
NCBI Official Synonym Symbols	GRTH; PRTH; THR1; ERBA2; NR1A2; THRB1; THRB2; C-ERBA-2; C-ERBA-BETA
NCBI Protein Information	thyroid hormone receptor beta; oncogene ERBA2; nuclear receptor subfamily 1 group A member 2; thyroid hormone nuclear receptor beta variant 1; thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)
UniProt Protein Name	Thyroid hormone receptor beta
UniProt Gene Name	THRB
UniProt Synonym Gene Names	ERBA2; NR1A2; THR1
UniProt Entry Name	THB_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://stage.aaabiotech.com/rat-elisa-kits/thyroid-hormone-receptor-beta-thrb/245281>