

Rat Thyroid Hormone Receptor Beta (THRb) ELISA Kit | THRb elisa kit

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CATALOG #
AAA141172

REACTIVITY
Rat

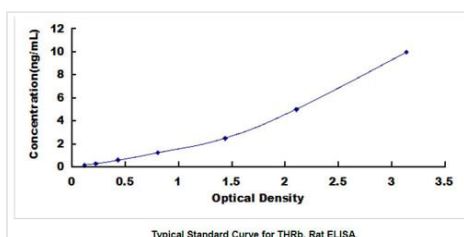
PRODUCT SYNONYMS

Thyroid Hormone Receptor Beta (THRb); Rat Thyroid Hormone Receptor Beta (THRb) ELISA Kit; ERBA-BETA; ERBA2; GRTH; NR1A2; THR1; THRb1; THRb2; Erythroblastic Leukemia Viral(v-erb-a)Oncogene Homolog 2; Avian; Nuclear Receptor Subfamily 1; Group A; Member 2; THRb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Thyroid Hormone Receptor Beta (THRb). No significant cross-reactivity or interference between Thyroid Hormone Receptor Beta (THRb) and analogues was observed.
Sequence Length	461
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/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 Hormone Receptor Beta (THRb) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Thyroid Hormone Receptor Beta (THRb) 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 THRB 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 Hormone Receptor Beta (THRB). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Thyroid Hormone Receptor Beta (THRB). 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 Hormone Receptor Beta (THRB), 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 Hormone Receptor Beta (THRB) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for THRB elisa kit	Signal transduction; Endocrinology; Hormone metabolism

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
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/141172>