

Chicken T3 (Triiodothyronine) ELISA Kit | T3 elisa kit

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CATALOG #
AAA248911

REACTIVITY
Chicken

PRODUCT SYNONYMS

T3 (Triiodothyronine); Chicken T3 (Triiodothyronine) ELISA Kit; T3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of T. No significant crossreactivity or interference between T and analogues is observed.
Sequence Length	75
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level T were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level T were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a T3 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	2.055	1.528	0.866	0.533	0.29	0.232	0.175	0.108

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for T3 elisa kit

Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with T. During the reaction, T in the sample or standard competes with a fixed amount of T on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to T. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of T in the samples is then determined by comparing the O D of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	537518
NCBI GeneID	7067
Molecular Weight	46,813 Da
NCBI Official Full Name	triiodothyronine receptor, partial
NCBI Official Synonym Full Names	thyroid hormone receptor alpha
NCBI Official Symbol	THRA
NCBI Official Synonym Symbols	AR7; EAR7; ERBA; CHNG6; ERBA1; NR1A1; THRA1; THRA2; ERB-T-1; c-ERBA-1
NCBI Protein Information	thyroid hormone receptor alpha
UniProt Protein Name	Thyroid hormone receptor alpha
UniProt Gene Name	THRA
UniProt Synonym Gene Names	EAR7; ERBA1; NR1A1; THRA1; THRA2; EAR-7

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/chicken-elisa-kits/t3-triiodothyronine/248911>