

General fT3 (Free Triiodothyronine) ELISA Kit | fT3 elisa kit

Universal fT3 (Free Triiodothyronine) ELISA Kit

CATALOG #
AAA248686

REACTIVITY
General

PRODUCT SYNONYMS

fT3 (Free Triiodothyronine); Universal fT3 (Free Triiodothyronine) ELISA Kit; fT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of FSH. No significant cross-reactivity or interference between FSH and analogues is observed.
Sequence Length	177
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50pg/ml
Sensitivity	0.469pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FSH 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 FSH 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 fT3 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	pg/ml	0	0.781	1.562	3.125	6.25	12.5	25	50
Y	OD450	2.410	1.539	1.007	0.427	0.23	0.144	0.075	0.01

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for fT3 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 FSH. During the reaction, FSH in the sample or standard competes with a fixed amount of FSH on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to FSH. 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 FSH in the samples is then determined by comparing the O D of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	555948276
Molecular Weight	19,844 Da
NCBI Official Full Name	FT3
UniProt Protein Name	FT2 protein

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/general-elisa-kits/ft3-free-triiodothyronine/248686>