

Human Free Triiodothyronine ELISA Kit | fT3 elisa kit

Human Free Triiodothyronine ELISA Kit

CATALOG #
AAA98035

REACTIVITY
Human

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Ft3. No significant cross-reactivity or interference between Ft3 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Ft3 and all the analogues, therefore, cross reaction may still exist.
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 Ft3 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 Ft3 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 run of the fT3 ELISA kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	2.676	1.813	1.015	0.597	0.265	0.131	0.093	0.047

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for fT3 elisa kit

Principle of the Assay: This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with Ft3. During the reaction, Ft3 in the sample or standard competes with a fixed amount of Ft3 on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to Ft3. 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 a 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 Ft3 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
UniProt Entry Name	U5U6H8_ALLCE

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/ft3-human-elisa-kits/free-triiodothyronine/98035>