

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

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CATALOG #
AAA129519

REACTIVITY
General

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	General
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.
Sequence Length	177
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	740.7-60,000fg/mL
Sensitivity	< 263.9fg/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<10%
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<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.

ADDITIONAL INFORMATION

Related Product Information for fT3 elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to T3 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled T3 analogues and unlabeled antigen (Standards or samples) with the pre-coated antibody. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of fT3 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of fT3 in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of fT3 in serum, plasma and other biological fluids.
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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://www.aaabiotech.com/general-elisa-kits/free-triiodothyronine-ft3/129519>