

Mouse Free Thyroxine ELISA Kit | fT4 elisa kit

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CATALOG #
AAA17696

REACTIVITY
Mouse

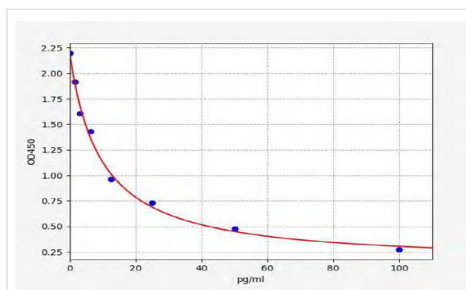
PRODUCT SYNONYMS

Free Thyroxine; Mouse Free Thyroxine ELISA Kit; fT4 (Free Thyroxine); fT4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize fT4, no obvious cross reaction with other analogues
Sequence Length	171
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	1.563-100pg/ml
Sensitivity	0.938pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
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



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for fT4 elisa kit	Background: Thyroxine (sometime called T4) is a hormone produced by the thyroid gland. The term "free thyroxine" means measured thyroxine that is not bound to proteins in the blood. Greater than 99% of thyroxine is bound to serum proteins, but the portion that is not, free thyroxine, is the biologically active portion. In most cases, free thyroxine (also known as free T4) is good indicator of thyroid function, along with TSH and other measures. Free thyroxine is often more useful than total thyroxine in assessing thyroid function. 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 fT4. During the reaction, fT4 in the sample or standard competes with a fixed amount of fT4 on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to fT4. 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 acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm. The concentration of fT4 in the samples is then determined by comparing the OD of the samples to the standard curve. The concentration of the target substance was inversely proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	751155074
NCBI GeneID	100803719
Molecular Weight	19,408 Da
NCBI Official Full Name	FT4
NCBI Official Symbol	FTL8
NCBI Official Synonym Symbols	FT4
NCBI Protein Information	uncharacterized protein LOC100803719
UniProt Protein Name	FT4
UniProt Gene Name	FTL8
UniProt Entry Name	G7Z0A8_SOYBN

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.