



Rat Tri-iodothyronine,T3 ELISA Kit

Product Code	CSB-E05085r
Abbreviation	T3
Protein Biological Process 1	Thyroid function
Target Name	Tri-iodothyronine,T3
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	0.5 ng/mL-8 ng/mL
Sensitivity	0.5 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Signal Transduction
Quality Control	<p>A microplate reader capable of measuring absorbance at 450 nm, with the correction wavelength set at 600 nm - 630 nm.</p> <p>An incubator that can provide stable incubation conditions up to 37°C±5°</p> <p>Centrifuge</p> <p>Vortex</p> <p>Squirt bottle, manifold dispenser, or automated microplate washer</p> <p>Absorbent paper for blotting the microtiter plate</p> <p>50-300ul multi-channel micropipette</p> <p>Pipette tips</p> <p>Single-channel micropipette with different ranges</p> <p>100ml and 500ml graduated cylinders</p> <p>Deionized or distilled water</p> <p>Timer</p> <p>Test tubes for dilution</p>
Tag Info	quantitative
Protein Description	Competitive
Component	<p>A 96-well Assay plate --The 96-well plate has been pre-coated with an anti-human Ts antibody.</p> <p>Standard(10 x concentrate) (6 x 1 ml) --Dilute the standard at dilution series, read the OD values, and then draw a standard curve.</p> <p>Biotin-conjugated T3 (1 x 6 ml)</p> <p>HRP-avidin (1 x 6 ml) --Catalyze the TMB, eliciting a chromogenic reaction.</p>



Wash Buffer (20x concentrate) (1 x 15 ml) --Wash away unbound or free substances.

Substrate A (1x 7 ml) --Mix with Substrate B.

Substrate B (1x 7 ml) --Mix with Substrate A.

Stop Solution (1 x 7ml) --Stop the color reaction. The solution color immediately turns from blue to yellow.

Four Adhesive Strips (For 96 wells)

An Instruction manual

Description

This Rat Tri-iodothyronine (T3) ELISA Kit was designed for the quantitative measurement of Rat Tri-iodothyronine (T3) protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Competitive ELISA kit, its detection range is 0.5 ng/mL-8 ng/mL and the sensitivity is 0.5 ng/mL.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<15%

Three samples of known concentration were tested twenty times on one plate to assess.

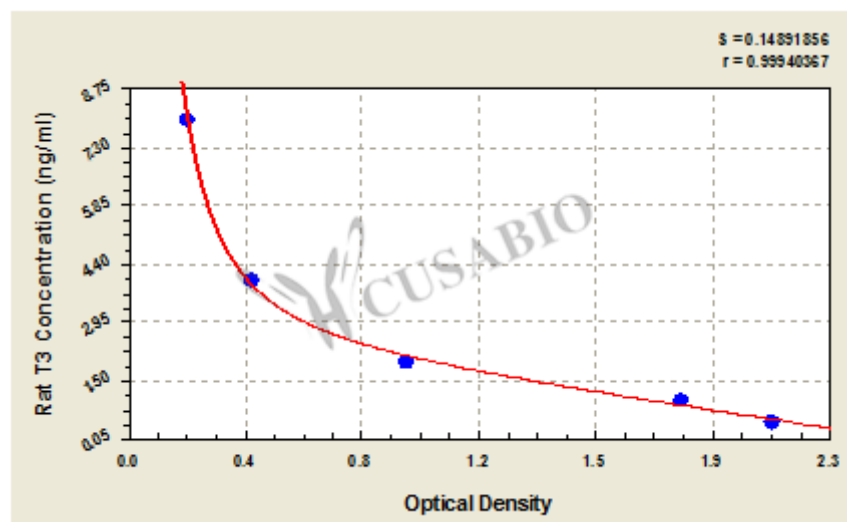
Inter-assay Precision (Precision between assays): CV%<15%

Three samples of known concentration were tested in twenty assays to assess.

	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3
n	20	20	20	20	20	20
Mean(ng/ml)	2.042	2.076	2.070	2.074	2.101	2.092
SD	0.023	0.019	0.029	0.031	0.029	0.033
CV(%)	2.333	1.988	2.997	3.221	2.995	3.446

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average
0.5	2.112	2.096	2.104
1.0	1.820	1.809	1.815
2.0	0.922	0.943	0.933
4.0	0.445	0.438	0.442
8.0	0.231	0.240	0.236