



Mouse thyroxine,T4 ELISA Kit

Product Code	CSB-E05083m
Abbreviation	T4
Protein Biological Process 1	Thyroid function
Target Name	thyroxine,T4
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	20 ng/mL-320 ng/mL
Sensitivity	20 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	A microplate reader capable of measuring absorbance at 450 nm, with the correction wavelength set at 600 nm to 630 nm. An incubator that can provide stable incubation conditions up to 37°C±5°C. Centrifuge Vortex Squirt bottle, manifold dispenser, or automated microplate washer Absorbent paper for blotting the microtiter plate 50-300ul multi-channel micropipette Pipette tips Single-channel micropipette with different ranges 100ml and 500ml graduated cylinders Deionized or distilled water Timer Test tubes for dilution
Tag Info	quantitative
Protein Description	Competitive
Component	A 96-well Assay plate -- The 96-well plate has been pre-coated with anti-mouse T4 antibody. Standard 6 x 1 ml -- Dilute the standard at dilution series, read the OD values, and then draw a standard curve. Biotin-conjugated T4 1 x 6 ml HRP-avidin 1 x 6 ml -- HRP catalyzes the TMB to elicit a chromogenic reaction.



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

Substrate A 1 x 7 ml -- Mix with substrate B, and the TMB is catalyzed by HRP to develop color.

Substrate B 1 x 7 ml -- Mix with substrate A, and the TMB is catalyzed by HRP to develop color.

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

Four Adhesive Strips (For 96 wells)

An Instruction manual

Description

This Mouse thyroxine (T4) ELISA Kit was designed for the quantitative measurement of Mouse thyroxine (T4) protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 20 ng/mL-320 ng/mL and the sensitivity is 20 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.

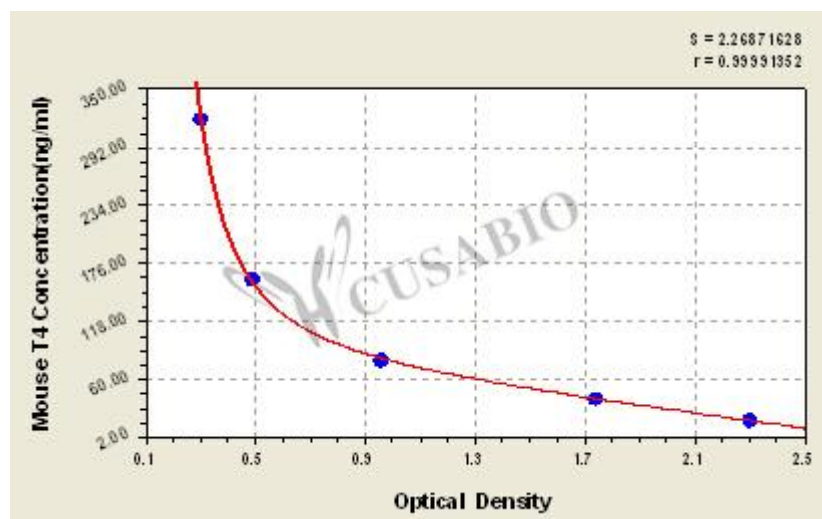
Inter-assay Precision (Precision between assays): CV%<15%

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)	80.412	80.332	80.273	79.968	80.529	80.553
SD	0.053	0.075	0.064	0.080	0.053	0.046
CV(%)	5.604	7.879	6.732	8.402	5.614	4.824

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↵
20↵	2.306↵	2.303↵	2.305↵
40↵	1.724↵	1.734↵	1.729↵
80↵	0.924↵	0.935↵	0.930↵
160↵	0.437↵	0.466↵	0.452↵
320↵	0.257↵	0.265↵	0.261↵