



Sheep tri-iodothyronine (T3) ELISA kit

Product Code	CSB-EQ027510SH
Abbreviation	T3
Protein Biological Process 1	Thyroid function
Target Name	tri-iodothyronine (T3)
Product Type	ELISA Kit
Immunogen Species	Ovis aries (Sheep)
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
Tag Info	quantitative
Protein Description	Competitive

Description

The Sheep tri-iodothyronine (T3) ELISA kit is a cutting-edge tool for detecting T3 in a variety of samples, including serum, plasma, cell culture supernates, and tissue homogenates. This ELISA kit is specifically designed for Ovis aries (Sheep) and offers high accuracy, sensitivity, and reliability.

This kit has a detection range of 0.5 ng/mL-8 ng/mL, with a sensitivity of 0.5 ng/mL. It provides a quick and convenient assay time of 1-5 hours, with a sample volume of 50-100ul. The detection wavelength is 450 nm. All these makes it ideal for signal transduction and thyroid function research applications.

This ELISA kit uses a sandwich method of measurement, ensuring accurate and precise detection of T3. It offers unparalleled accuracy, sensitivity, and convenience, making it an essential tool for researchers and scientists studying signal transduction in Ovis aries.

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.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of sheepT3 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	92
	Range %	90-100
1:2	Average %	87
	Range %	85-96
1:4	Average %	95
	Range %	90-100
1:8	Average %	95
	Range %	82-99

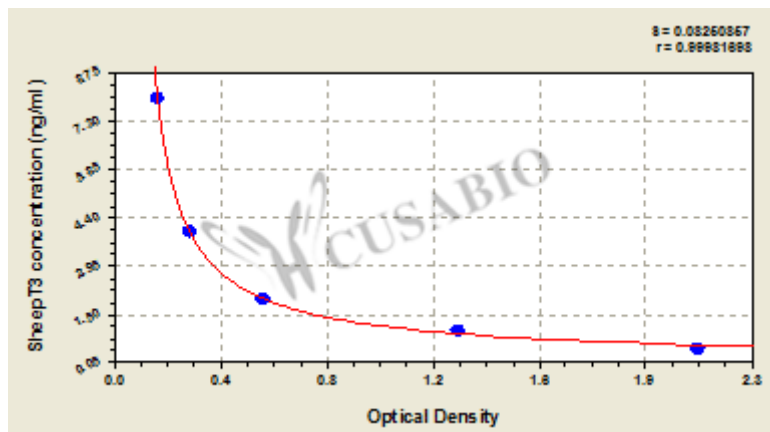
Recovery

The recovery of sheep T3 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	96	85-102
EDTA plasma (n=4)	96	90-100

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	?
8	0.172	0.165	0.169	?
4	0.289	0.278	0.284	?
2	0.549	0.557	0.553	?
1	1.252	1.263	1.258	?
0.5	2.124	2.141	2.133	?