



Goat Thyroxine(T4) ELISA Kit

Product Code	CSB-E13384G										
Abbreviation	T4										
Protein Biological Process 1	Thyroid function										
Target Name	Thyroxine(T4)										
Product Type	ELISA Kit										
Immunogen Species	Capra hircus (Goat)										
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										
Tag Info	quantitative										
Protein Description	Competitive										
Description	This Goat thyroxine (T4) ELISA Kit was designed for the quantitative measurement of Goat 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.										
Linearity	To assess the linearity of the assay, samples were spiked with high concentrations of goat T4 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td>?</td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td>1:1</td><td>Average %</td><td>93</td></tr><tr><td></td><td>Range %</td><td>86-101</td></tr></table>		?	Sample	Serum(n=4)	1:1	Average %	93		Range %	86-101
?	Sample	Serum(n=4)									
1:1	Average %	93									
	Range %	86-101									



1:2	Average %	86
	Range %	81-98
1:4	Average %	95
	Range %	90-100
1:8	Average %	95
	Range %	90-100

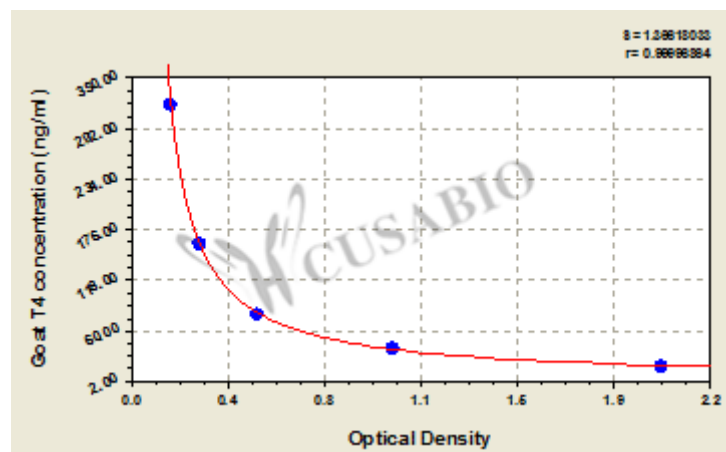
Recovery

The recovery of goat T4 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)	97	92-110
EDTA plasma (n=4)	95	90-105

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	?
320	0.163	0.169	0.166	?
160	0.275	0.281	0.278	?
80	0.493	0.502	0.498	?
40	1.015	1.029	1.022	?
20	2.049	2.068	2.059	?