



Human Thyroid Stimulating Hormone,TSH ELISA Kit

Product Code	CSB-E05114h
Abbreviation	TSH
Protein Biological Process 1	Thyroid function
Target Name	Thyroid Stimulating Hormone,TSH
Uniprot No.	P01222
Alias	N/A
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma
Detection Range	0.3 uIU/mL-12 uIU/mL
Sensitivity	0.15 μ IU/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
Gene Names	TSHB
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human TSH ELISA Kit was designed for the quantitative measurement of Human TSH protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 0.3 uIU/mL-12 uIU/mL and the sensitivity is 0.15 μ IU/mL.
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<15%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<15%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>

Linearity



To assess the linearity of the assay, samples were spiked with high concentrations of human TSH 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 %	96
	Range %	92-104
1:2	Average %	94
	Range %	91-98
1:4	Average %	102
	Range %	98-106
1:8	Average %	88
	Range %	82-94

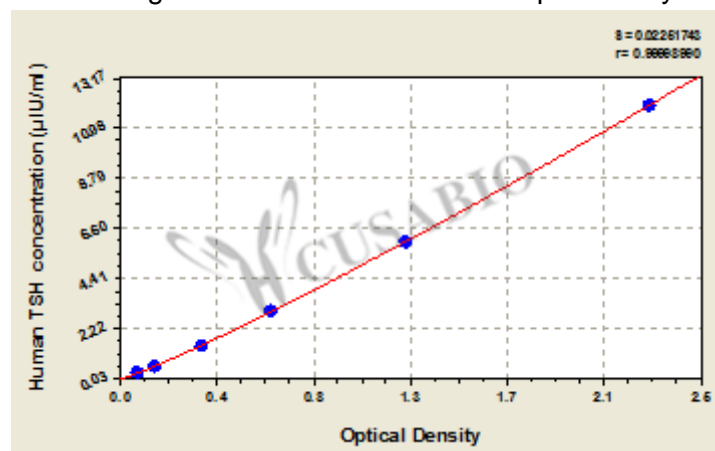
Recovery

The recovery of human TSH 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)	94	90-98
EDTA plasma (n=4)	103	98-107

Typical

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



μIU/ml	OD1	OD2	Average
12	2.219	2.354	2.287
6	1.215	1.254	1.235
3	0.648	0.664	0.656
1.5	0.361	0.354	0.358
0.6	0.155	0.158	0.157
0.3	0.078	0.079	0.079

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E05114h.pdf","filename":"MSDS"}}