



# Human thyrotropin-releasing hormone,TRH ELISA KIT

Product Code	CSB-E08146h			
Abbreviation	TRH			
Target Name	thyrotropin-releasing hormone			
Uniprot No.	P20396			
Alias	MGC125964, MGC125965			
Product Type	ELISA Kit			
Immunogen Species	Homo sapiens (Human)			
Sample Types	serum, plasma			
Detection Range	2.5 pg/mL-100 pg/mL			
Sensitivity	1.25 pg/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	TRH			
Tag Info	quantitative			
Protein Description	Sandwich			
Description	<p>This Human TRH ELISA Kit was designed for the quantitative measurement of Human TRH protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 2.5 pg/mL-100 pg/mL and the sensitivity is 1.25 pg/mL.</p>			
Product Precision	<p><b>Intra-assay Precision (Precision within an assay): CV%&lt;15%</b> Three samples of known concentration were tested twenty times on one plate to assess.</p> <p><b>Inter-assay Precision (Precision between assays): CV%&lt;15%</b> Three samples of known concentration were tested in twenty assays to assess.</p>			
Linearity	<p>To assess the linearity of the assay, samples were spiked with high concentrations of human TRH in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.</p> <table><tr><td>?</td><td>Sample</td><td>Serum(n=4)</td></tr></table>	?	Sample	Serum(n=4)
?	Sample	Serum(n=4)		



1:1	Average %	86
	Range %	81-92
1:2	Average %	95
	Range %	85-105
1:4	Average %	97
	Range %	92-102
1:8	Average %	93
	Range %	86-98

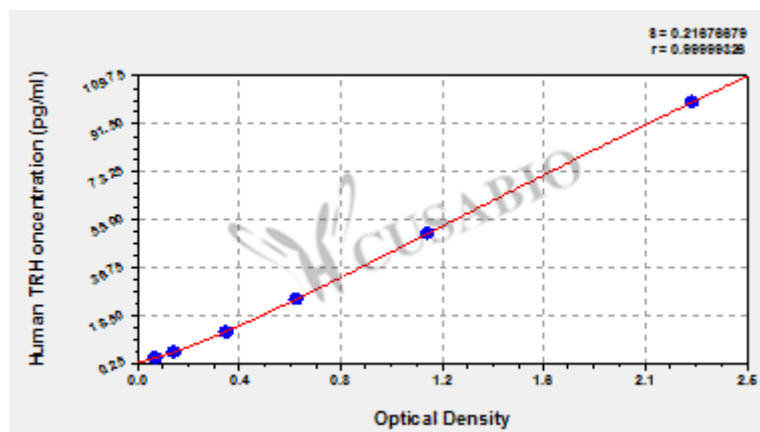
## Recovery

The recovery of human TRH 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	89-98
EDTA plasma (n=4)	97	91-100

## Typical

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



pg/ml	OD1	OD2	Average
100	2.232	2.252	2.242
50	1.196	1.156	1.176
25	0.635	0.648	0.642
12.5	0.357	0.362	0.360
5	0.146	0.151	0.149
2.5	0.075	0.079	0.077

## Msds

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