



Rat anti-Thyroid-Peroxidase antibody,TPO-Ab ELISA Kit

Product Code	CSB-E11199r											
Abbreviation	TPO Ab											
Target Name	anti-Thyroid-Peroxidase antibody,TPO-Ab											
Product Type	ELISA Kit											
Immunogen Species	Rattus norvegicus (Rat)											
Sample Types	serum, plasma											
Detection Range	5 IU/mL-80 IU/mL											
Sensitivity	5 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	Cancer											
Tag Info	quantitative											
Protein Description	Competitive											
Description	This Rat TPO Ab ELISA Kit was designed for the quantitative measurement of Rat TPO Ab protein in serum, plasma. It is a Competitive ELISA kit, its detection range is 5 IU/mL-80 IU/mL and the sensitivity is 5 IU/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 rat anti-TPO antibody 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>97</td></tr><tr><td></td><td>Range %</td><td>86-101</td></tr></table>			?	Sample	Serum(n=4)	1:1	Average %	97		Range %	86-101
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1:1	Average %	97										
	Range %	86-101										



1:2	Average %	88
	Range %	83-98
1:4	Average %	95
	Range %	90-100
1:8	Average %	95
	Range %	89-100

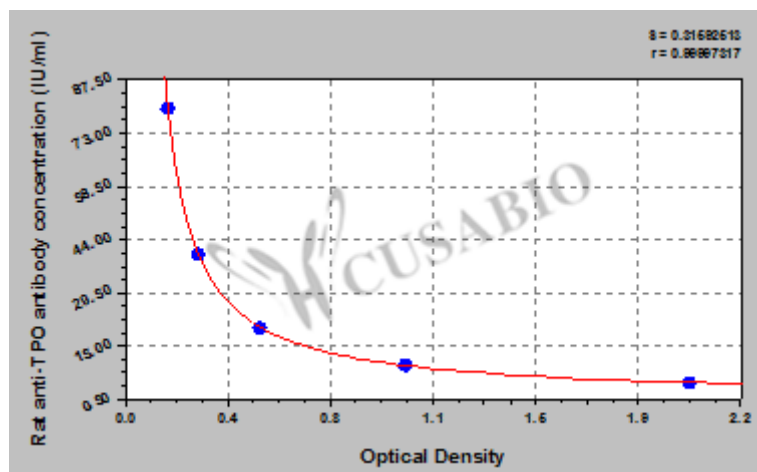
Recovery

The recovery of rat anti-TPO antibody 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	92-99
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.



IU/ml	OD1	OD2	Average
80	0.171	0.169	0.17
40	0.285	0.276	0.281
20	0.495	0.505	0.5
10	1.037	1.014	1.026
5	2.032	2.066	2.049