



Human mammalian target of rapamycin,mTOR ELISA Kit

Product Code	CSB-E09038h			
Abbreviation	mTOR			
Target Name	mammalian target of rapamyein,mTOR			
Uniprot No.	P42345			
Product Type	ELISA Kit			
Immunogen Species	Homo sapiens (Human)			
Sample Types	serum, plasma, tissue homogenates			
Detection Range	1.56 pg/mL-100 pg/mL			
Sensitivity	0.39 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	Cell Biology			
Gene Names	MTOR			
Tag Info	quantitative			
Protein Description	Sandwich			
Description	This Human mTOR ELISA Kit was designed for the quantitative measurement of Human mTOR protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.56 pg/mL-100 pg/mL and the sensitivity is 0.39 pg/mL.			
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10% 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 human mTOR 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></table>	?	Sample	Serum(n=4)
?	Sample	Serum(n=4)		



1:100	Average %	86
	Range %	80-92
1:200	Average %	98
	Range %	91-105
1:400	Average %	101
	Range %	92-110
1:800	Average %	93
	Range %	86-98

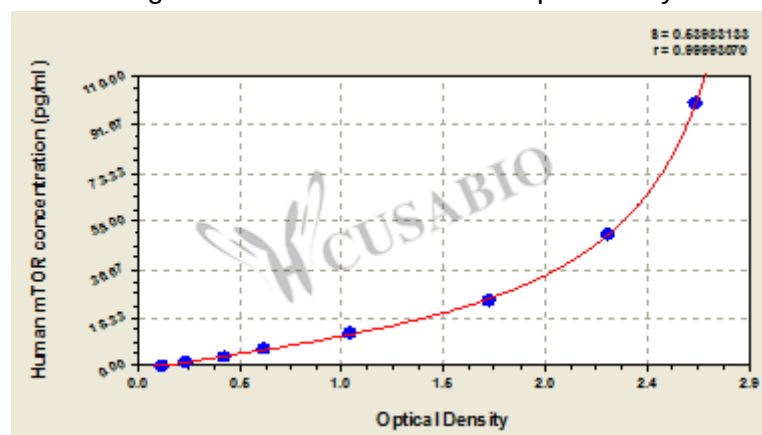
Recovery

The recovery of human mTOR 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)	93	89-98
EDTA plasma (n=4)	97	90-100

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	Corrected
100	2.675	2.666	2.671	2.546
50	2.312	2.189	2.251	2.126
25	1.709	1.663	1.686	1.561
12.5	1.047	0.989	1.018	0.893
6.25	0.617	0.603	0.610	0.485
3.12	0.429	0.412	0.421	0.296
1.56	0.238	0.229	0.234	0.109
0	0.129	0.121	0.125	?

Msds

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