



Rat cytochrome C oxidase(COX) ELISA Kit

Product Code	CSB-E14281r														
Abbreviation	COX														
Target Name	cytochrome C oxidase(COX)														
Alias	N/A														
Product Type	ELISA Kit														
Immunogen Species	Rattus norvegicus (Rat)														
Sample Types	serum, plasma, tissue homogenates														
Detection Range	0.156 ng/mL-10 ng/mL														
Sensitivity	0.039 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	Metabolism														
Tag Info	quantitative														
Protein Description	Sandwich														
Description	This Rat COX ELISA Kit was designed for the quantitative measurement of Rat COX protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/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 rat COX 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 rowspan="2">1:1</td><td>Average %</td><td>95</td></tr> <tr> <td>Range %</td><td>82-99</td></tr> <tr> <td rowspan="2">1:2</td><td>Average %</td><td>94</td></tr> <tr> <td>Range %</td><td>86-100</td></tr> </table>		?	Sample	Serum(n=4)	1:1	Average %	95	Range %	82-99	1:2	Average %	94	Range %	86-100
?	Sample	Serum(n=4)													
1:1	Average %	95													
	Range %	82-99													
1:2	Average %	94													
	Range %	86-100													



1:4	Average %	93
	Range %	85-100
1:8	Average %	95
	Range %	85-105

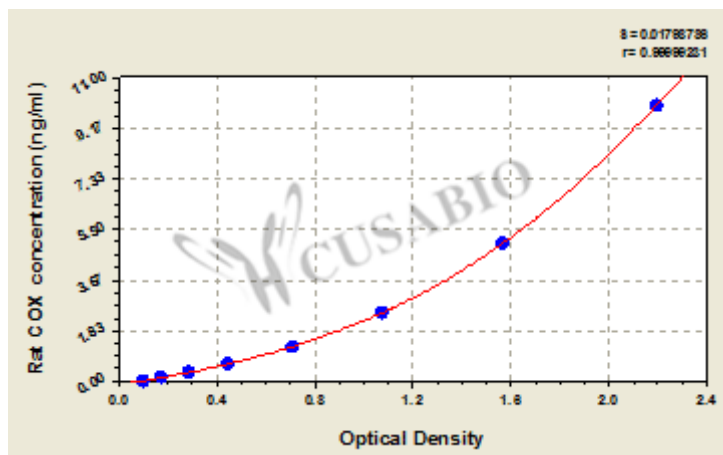
Recovery

The recovery of rat COX 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)	92	88-100
EDTA plasma (n=4)	96	89-103

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	Corrected
10	2.185	2.134	2.160	2.053
5	1.563	1.528	1.546	1.439
2.5	1.053	1.074	1.064	0.957
1.25	0.695	0.717	0.706	0.599
0.625	0.456	0.431	0.444	0.337
0.312	0.291	0.285	0.288	0.181
0.156	0.183	0.178	0.181	0.074
0	0.105	0.109	0.107	?

Msds

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