



Mouse mitochondrial respiratory chain complex I ELISA kit

Product Code	CSB-EQ027280MO										
Abbreviation	MRCC-I										
Target Name	mitochondrial respiratory chain complex I										
Product Type	ELISA Kit										
Immunogen Species	Mus musculus (Mouse)										
Sample Types	serum, plasma, tissue homogenates, cell lysates										
Detection Range	7.8 pg/mL-500 pg/mL										
Sensitivity	1.95 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	Others										
Tag Info	quantitative										
Protein Description	Sandwich										
Description	<p>This Mouse MRCC-I ELISA Kit was designed for the quantitative measurement of Mouse MRCC-I protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 7.8 pg/mL-500 pg/mL and the sensitivity is 1.95 pg/mL.</p>										
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% 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 mouse MRCC-I 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> <tr> <td>1:1</td><td>Average %</td><td>96</td></tr> <tr> <td></td><td>Range %</td><td>84-100</td></tr> </table>		?	Sample	Serum(n=4)	1:1	Average %	96		Range %	84-100
?	Sample	Serum(n=4)									
1:1	Average %	96									
	Range %	84-100									



1:2	Average %	100
	Range %	94-103
1:4	Average %	94
	Range %	84-98
1:8	Average %	100
	Range %	93-103

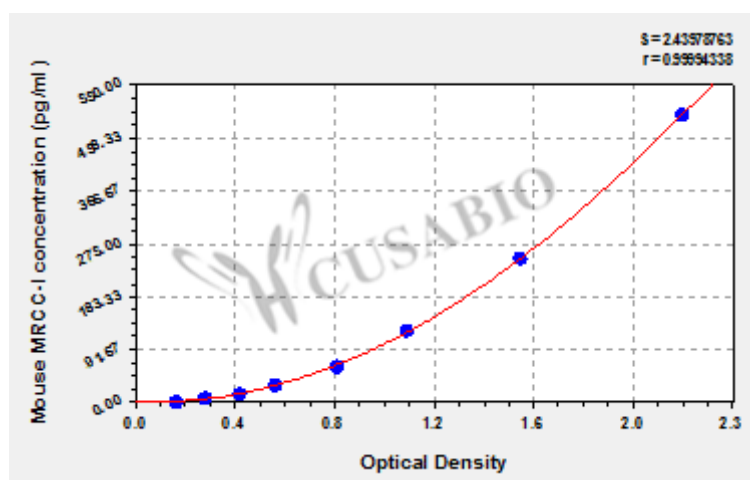
Recovery

The recovery of mouse MRCC-I 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	84-97
EDTA plasma (n=4)	99	91-103

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
500	2.187	2.099	2.143	1.972
250	1.549	1.476	1.513	1.342
125	1.098	1.044	1.071	0.900
62.5	0.812	0.789	0.801	0.630
31.2	0.575	0.545	0.560	0.389
15.6	0.416	0.423	0.420	0.249
7.8	0.293	0.281	0.287	0.116
0	0.169	0.173	0.171	?

Msds

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