



# Mouse Cytochrome-C,Cyt-C ELISA Kit

<b>Product Code</b>	CSB-E08532m
<b>Abbreviation</b>	CYCS
<b>Protein Biological Process 1</b>	Apoptosis/Autophagy
<b>Target Name</b>	cytochrome c, somatic
<b>Uniprot No.</b>	P62897
<b>Alias</b>	CYC, HCS, THC4, OTTHUMP00000202043 OTTHUMP00000202044 cytochrome c
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Protein Biological Process 3</b>	Apoptosis
<b>Sample Types</b>	serum, plasma, tissue homogenates, cell lysates
<b>Detection Range</b>	34.3 pg/mL-2200 pg/mL
<b>Sensitivity</b>	8.5 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Cell Biology
<b>Gene Names</b>	Cycc
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

<b>Description</b>	<p>This Mouse CYCS ELISA Kit was designed for the quantitative measurement of Mouse CYCS protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 34.3 pg/mL-2200 pg/mL and the sensitivity is 8.5 pg/mL.</p>
<b>Target Details</b>	<p>This gene encodes cytochrome c, a component of the electron transport chain in mitochondria. The heme group of cytochrome c accepts electrons from the b-c1 complex and transfers electrons to the cytochrome oxidase complex. Cytochrome c is also involved in initiation of apoptosis. Upon release of cytochrome c to the cytoplasm, the protein binds apoptotic protease activating factor which activates the apoptotic initiator procaspase 9. Many cytochrome c</p>



pseudogenes exist, scattered throughout the human genome.

## 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 mouse Cyt-C in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	92
	Range %	88-97
1:2	Average %	84
	Range %	80-88
1:4	Average %	90
	Range %	85-94
1:8	Average %	97
	Range %	92-101

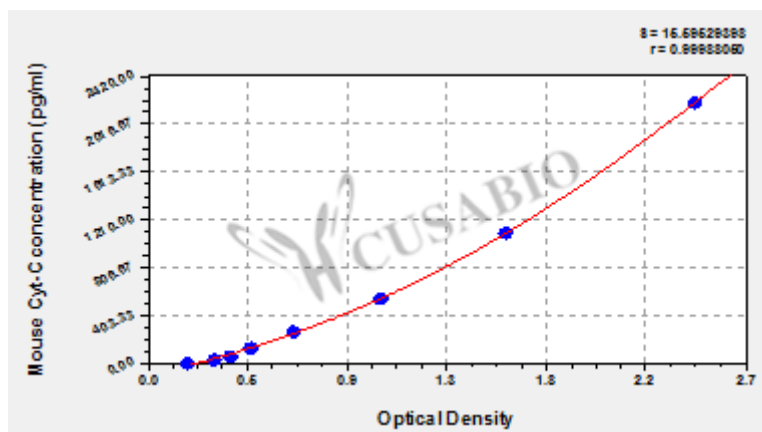
## Recovery

The recovery of mouse Cyt-C 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)	101	95-105
EDTA plasma (n=4)	87	83-91

## 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
2200	2.352	2.512	2.432	2.240
1100	1.615	1.578	1.597	1.405
550	1.073	1.023	1.048	0.856
275	0.639	0.681	0.660	0.468
137.5	0.461	0.489	0.475	0.283
68.75	0.387	0.374	0.381	0.189
34.3	0.318	0.305	0.312	0.120
0	0.194	0.189	0.192	?

## Msds

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