



Human cytochrome c-1 (CYC1) ELISA kit

Product Code	CSB-E17854h
Protein Biological Process 2	Anion transport
Abbreviation	CYC1
Protein Biological Process 1	Transport
Target Name	cytochrome c-1
Uniprot No.	P08574
Alias	UQCR4
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Electron transport
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 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	Signal Transduction
Gene Names	CYC1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CYC1 ELISA Kit was designed for the quantitative measurement of Human CYC1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 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 CYC1 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 %	89
	Range %	85-93
1:2	Average %	94
	Range %	90-98
1:4	Average %	92
	Range %	88-96
1:8	Average %	97
	Range %	93-101

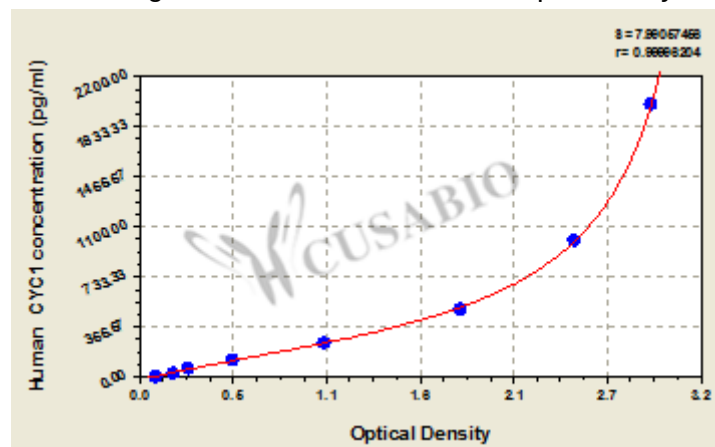
Recovery

The recovery of Human CYC1 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)	102	97-106
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
2000	2.863	2.967	2.915	2.817
1000	2.526	2.425	2.476	2.378
500	1.875	1.776	1.826	1.728
250	1.065	1.043	1.054	0.956
125	0.547	0.524	0.536	0.438
62.5	0.284	0.272	0.278	0.180
31.25	0.198	0.189	0.194	0.096
0	0.097	0.098	0.098	

Msds

{"O":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E17854h.pdf","filename":"MSDS"}}}