



# Mouse Glutaredoxin-related protein 5, mitochondrial(GLRX5) ELISA kit

<b>Product Code</b>	CSB-EL009524MO
<b>Abbreviation</b>	GLRX5
<b>Target Name</b>	glutaredoxin 5
<b>Uniprot No.</b>	Q80Y14
<b>Alias</b>	C14orf87, FLB4739, GRX5, MGC14129, PR01238, PRO1238, glutaredoxin 5 homolog
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Sample Types</b>	serum, plasma, tissue homogenates, cell lysates
<b>Detection Range</b>	31.25 pg/mL-2000 pg/mL
<b>Sensitivity</b>	7.8 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>	Metabolism
<b>Gene Names</b>	GlrX5
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Mouse GLRX5 ELISA Kit was designed for the quantitative measurement of Mouse GLRX5 protein in serum, plasma, tissue homogenates, cell lysates. 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.
<b>Product Precision</b>	<p><b>Intra-assay Precision (Precision within an assay): CV%&lt;8%</b> Three samples of known concentration were tested twenty times on one plate to assess.</p> <p><b>Inter-assay Precision (Precision between assays): CV%&lt;10%</b> Three samples of known concentration were tested in twenty assays to assess.</p>
<b>Linearity</b>	



To assess the linearity of the assay, samples were spiked with high concentrations of mouse GLRX5 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 %	94
	Range %	90-96
1:2	Average %	96
	Range %	92-100
1:4	Average %	84
	Range %	80-88
1:8	Average %	93
	Range %	88-97

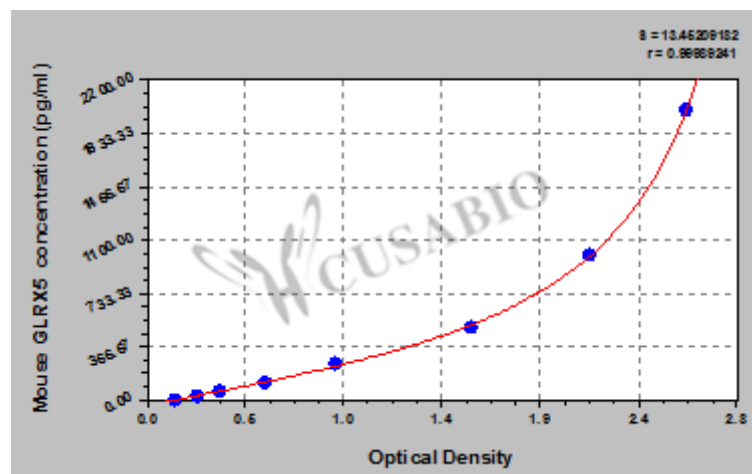
## Recovery

The recovery of mouse GLRX5 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)	98	94-102
EDTA plasma (n=4)	106	102-113

## 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	2.639	2.524	2.582	2.431
1000	2.172	2.068	2.120	1.969
500	1.593	1.523	1.558	1.407
250	0.925	0.892	0.909	0.758
125	0.587	0.571	0.579	0.428
62.5	0.368	0.346	0.357	0.206
31.25	0.256	0.247	0.252	0.101
0	0.149	0.153	0.151	?

## Msds

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EL009524MO.pdf", "filename": "MSDS"}}