



Mouse glutathione peroxidase(GSH-Px)ELISA Kit

Product Code	CSB-E13068m
Abbreviation	GSH-Px
Target Name	glutathione peroxidase(GSH-Px)
Uniprot No.	P11352
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.25 U/mL-2000 U/mL
Sensitivity	7.8 U/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
Gene Names	Gpx1
Tag Info	quantitative
Protein Description	Sandwich

Description

This Mouse GSH-Px ELISA Kit was designed for the quantitative measurement of Mouse GSH-Px protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 U/mL-2000 U/mL and the sensitivity is 7.8 U/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 mouse GSH-PX 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 %	91
	Range %	85-97



1:2	Average %	94
	Range %	89-98
1:4	Average %	97
	Range %	91-102
1:8	Average %	95
	Range %	89-99

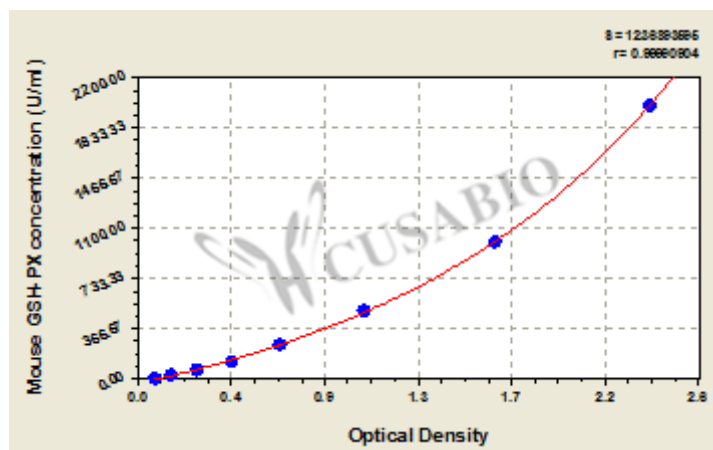
Recovery

The recovery of mouse GSH-PX 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)	97	93-102
EDTA plasma (n=4)	88	82-94

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



U/ml	OD1	OD2	Average	Corrected
2000	2.324	2.401	2.363	2.275
1000	1.602	1.699	1.651	1.563
500	1.056	1.039	1.048	0.960
250	0.657	0.665	0.661	0.573
125	0.431	0.446	0.439	0.351
62.5	0.274	0.285	0.280	0.192
31.25	0.158	0.162	0.160	0.072
0	0.087	0.088	0.088	?

Msds

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