



Chicken Glutathione Peroxidase 8 (GPX-8) ELISA Kit

Product Code	CSB-E14942C			
Abbreviation	GPX-8			
Target Name	Glutathione Peroxidase 8 (GPX-8)			
Uniprot No.	R4GGB2			
Product Type	ELISA Kit			
Immunogen Species	Gallus gallus (Chicken)			
Sample Types	serum, plasma, tissue homogenates			
Detection Range	31.25 mU/mL-2000 mU/mL			
Sensitivity	7.8 mU/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			
Tag Info	quantitative			
Protein Description	Competitive			
Description	<p>This Chicken GPX-8 ELISA Kit was designed for the quantitative measurement of Chicken GPX-8 protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 31.25 mU/mL-2000 mU/mL and the sensitivity is 7.8 mU/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 chicken GPX-8 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></table>	?	Sample	Serum(n=4)
?	Sample	Serum(n=4)		



1:100	Average %	98
	Range %	94-103
1:200	Average %	86
	Range %	83-90
1:400	Average %	104
	Range %	100-108
1:800	Average %	89
	Range %	85-93

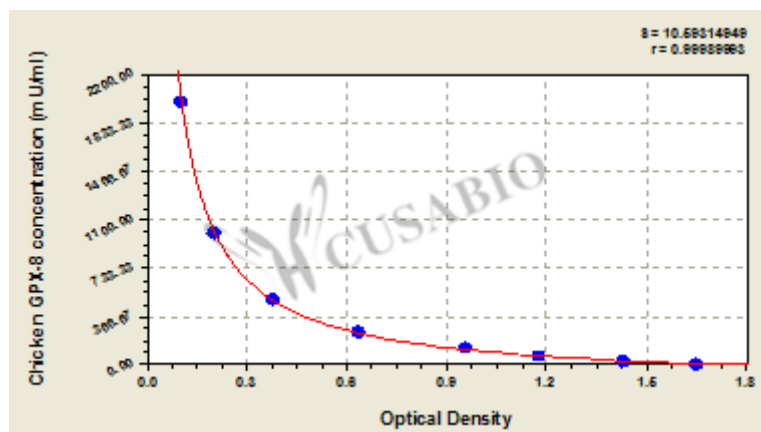
Recovery

The recovery of chicken GPX-8 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)	107	103-110
EDTA plasma (n=4)	84	80-88

Typical

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



mU/ml	OD1	OD2	Average
2000	0.111	0.115	0.113
1000	0.208	0.210	0.209
500	0.373	0.390	0.382
250	0.642	0.638	0.640
125	0.956	0.961	0.959
62.5	1.146	1.200	1.173
31.25	1.417	1.431	1.424
0	1.634	1.645	1.640