



Human Glutathione Reductase(GR)ELISA Kit

Product Code	CSB-E14286h									
Abbreviation	GSR									
Target Name	glutathione reductase									
Uniprot No.	P00390									
Alias	MGC78522									
Product Type	ELISA Kit									
Immunogen Species	Homo sapiens (Human)									
Sample Types	serum, plasma, tissue homogenates									
Detection Range	0.625 mU/mL-40 mU/mL									
Sensitivity	0.156 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									
Gene Names	GSR									
Tag Info	quantitative									
Protein Description	Sandwich									
Description	This Human GSR ELISA Kit was designed for the quantitative measurement of Human GSR protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 mU/mL-40 mU/mL and the sensitivity is 0.156 mU/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 GR in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td></td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td rowspan="2">1:1</td><td>Average %</td><td>92</td></tr><tr><td>Range %</td><td>88-95</td></tr></table>			Sample	Serum(n=4)	1:1	Average %	92	Range %	88-95
	Sample	Serum(n=4)								
1:1	Average %	92								
	Range %	88-95								



1:2	Average %	103
	Range %	96-107
1:4	Average %	92
	Range %	85-95
1:8	Average %	98
	Range %	92-103

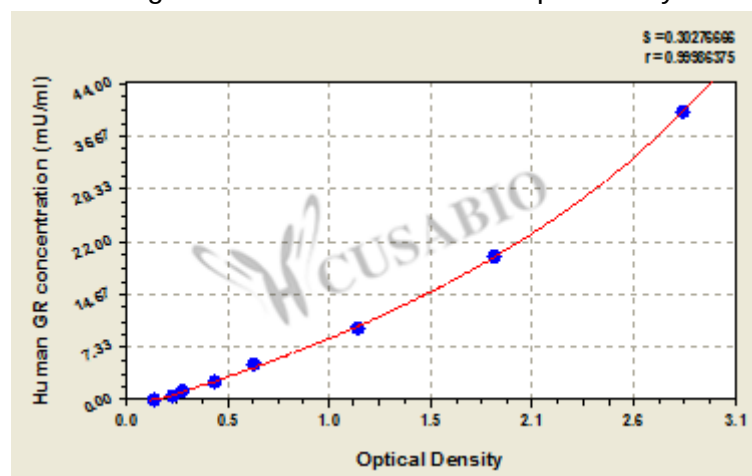
Recovery

The recovery of human GR 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)	95	89-98
EDTA plasma (n=4)	107	101-112

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	Corrected
40	2.827	2.787	2.807	2.648
20	1.871	1.854	1.863	1.704
10	1.192	1.168	1.180	1.021
5	0.667	0.643	0.655	0.496
2.5	0.466	0.455	0.461	0.302
1.25	0.310	0.289	0.300	0.141
0.625	0.256	0.246	0.251	0.092
0	0.160	0.158	0.159	

Msds

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