



Human Glutathione S-transferase omega-1(GSTO1) ELISA kit

Product Code	CSB-EL009986HU
Abbreviation	GSTO1
Target Name	glutathione S-transferase omega 1
Uniprot No.	P78417
Alias	RP11-99N20.1, DKFZp686H13163, GSTTLp28, P28, glutathione S-transferase omega 1 glutathione transferase omega 1 glutathione-S-transferase like glutathione-S-transferase omega 1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.2 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	Tags & Cell Markers
Gene Names	GSTO1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human GSTO1 ELISA Kit was designed for the quantitative measurement of Human GSTO1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.2 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL.
Target Details	This gene encodes a member of the theta class glutathione S-transferase-like (GSTTL) protein family. In mouse, the encoded protein acts as a small stress response protein, likely involved in cellular redox homeostasis.
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 GSTO1 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)
	Average %	87
1:1	Range %	83-94
	Average %	98
1:2	Range %	94-102
	Average %	93
1:4	Range %	86-97
	Average %	104
1:8	Range %	97-108

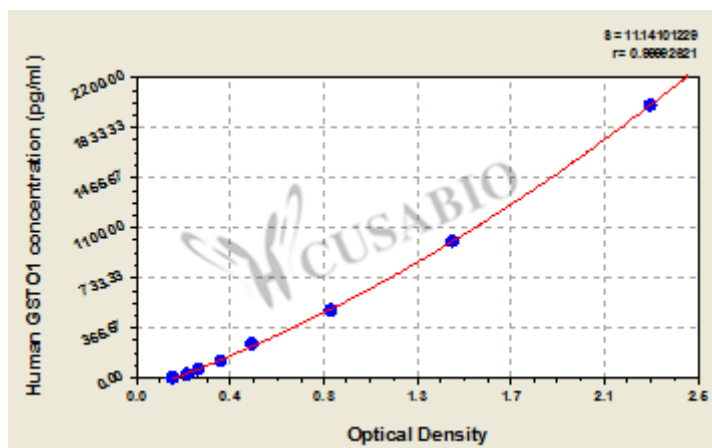
Recovery

The recovery of human GSTO1 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)	93	87-96
EDTA plasma (n=4)	89	85-94

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	2.304	2.281	2.293	2.117
1000	1.453	1.373	1.413	1.237
500	0.888	0.862	0.875	0.699
250	0.534	0.520	0.527	0.351
125	0.395	0.383	0.389	0.213
62.5	0.292	0.285	0.289	0.113
31.2	0.246	0.238	0.242	0.066
0	0.178	0.173	0.176	?

Msds

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