



Human glypican 5 (GPC5) ELISA kit

Product Code	CSB-EL009707HU
Abbreviation	GPC5
Target Name	glypican 5
Uniprot No.	P78333
Alias	bA93M14.1 glypican proteoglycan 5
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, ascitic fluid
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 ng/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	Signal Transduction
Gene Names	GPC5
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human GPC5 ELISA Kit was designed for the quantitative measurement of Human GPC5 protein in serum, plasma, ascitic fluid. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL.
Target Details	Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation.
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 GPC5 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 %	93
	Range %	88-97
1:2	Average %	97
	Range %	92-102
1:4	Average %	100
	Range %	94-107
1:8	Average %	108
	Range %	103-114

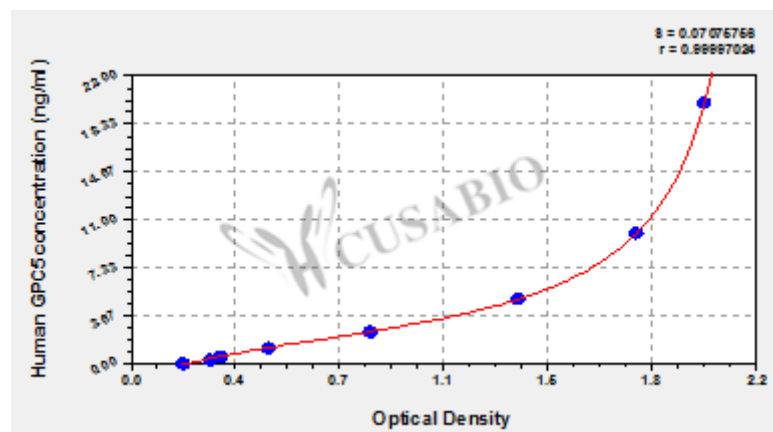
Recovery

The recovery of human GPC5 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)	102	95-106
EDTA plasma (n=4)	95	89-104

Typical

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



ng/ml	OD1	OD2	Average	Corrected
20	2.051	2.012	2.032	1.847
10	1.788	1.798	1.793	1.608
5	1.374	1.368	1.371	1.186
2.5	0.842	0.856	0.849	0.664
1.25	0.494	0.485	0.490	0.305
0.625	0.315	0.326	0.321	0.136
0.312	0.279	0.281	0.280	0.095
0	0.180	0.190	0.185	?

Msds

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