Human Gastrotropin(FABP6) ELISA kit

Product Code	CSB-EL007955HU
Abbreviation	FABP6
Protein Biological Process 1	Transport
Target Name	fatty acid binding protein 6, ileal
Uniprot No.	P51161
Alias	I-15P, I-BABP, I-BALB, I-BAP, ILBP, ILBP3, ILLBP, gastrotropin|ileal bile acid binding protein|illeal lipid-binding protein
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Transport
Sample Types	serum, plasma, tissue homogenates, cell lysates
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	FABP6
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human FABP6 ELISA Kit was designed for the quantitative measurement of Human FABP6 protein in serum, plasma, tissue homogenates, cell lysates. 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	This gene encodes the ileal fatty acid binding protein. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP6 and FABP1 (the liver fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. Transcript variants generated by alternate transcription promoters and/or alternate splicing have

been found for this gene.

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 gastrotropin 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 %	90
	Range %	82-94
1:2	Average %	97
	Range %	91-101
1:4	Average %	94
	Range %	85-97
1:8	Average %	90
	Range %	84-95

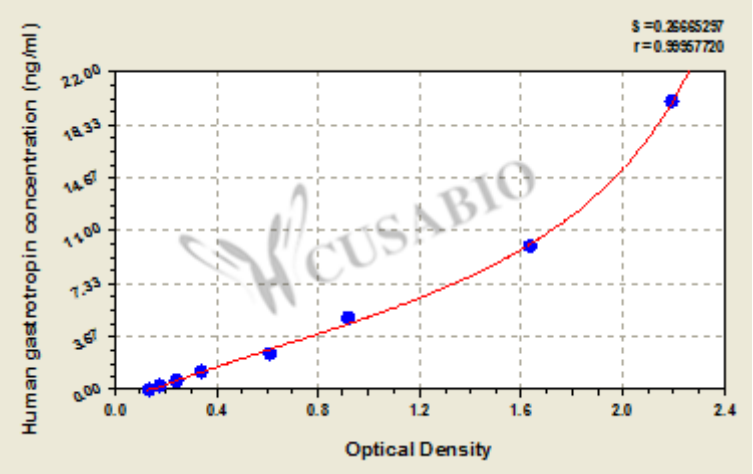
Recovery

The recovery of human gastrotropin 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)	100	91-104
EDTA plasma (n=4)	92	88-96

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	2.266	2.189	2.228	2.075
10	1.649	1.676	1.663	1.510
5	0.961	0.924	0.943	0.790
2.5	0.633	0.629	0.631	0.478
1.25	0.355	0.364	0.360	0.207
0.625	0.250	0.266	0.258	0.105
0.312	0.199	0.187	0.193	0.040
0	0.154	0.152	0.153	?

Msds

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