



Human Liver Type Fatty Acid Binding Protein(L-FABP) ELISA KIT

Product Code	CSB-E13455h
Abbreviation	FABP1
Protein Biological Process 1	Transport
Target Name	fatty acid binding protein 1, liver
Uniprot No.	P07148
Alias	FABPL, L-FABP, Fatty acid-binding protein, liver
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Transport
Sample Types	serum, plasma, cell culture supernates
Detection Range	31.2 pg/mL-2000pg/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	Signal Transduction
Gene Names	FABP1
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human FABP1 ELISA Kit was designed for the quantitative measurement of Human FABP1 protein in serum, plasma, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 31.2 pg/mL-2000pg/mL and the sensitivity is 7.8 pg/mL.

Target Details

FABP1 encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP1 and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism.



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 L-FABP 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)
1:100	Average %	86
	Range %	80-92
1:200	Average %	98
	Range %	91-105
1:400	Average %	98
	Range %	92-110
1:800	Average %	94
	Range %	86-98

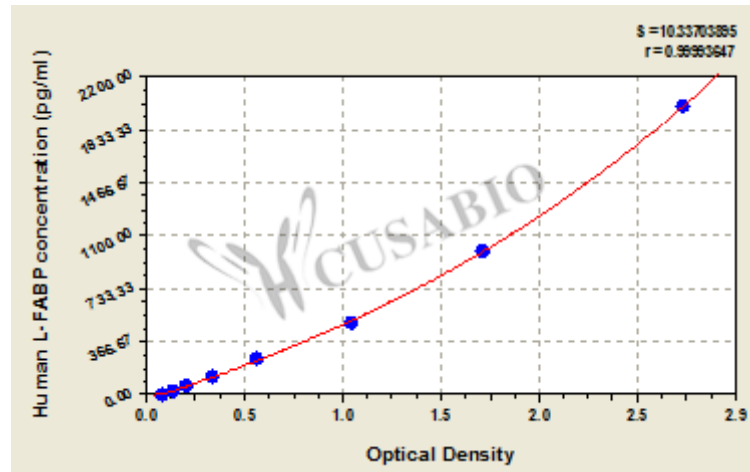
Recovery

The recovery of human L-FABP 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)	96	90-100

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	2.716	2.652	2.684	2.604
1000	1.690	1.676	1.683	1.603
500	1.049	1.002	1.026	0.946
250	0.566	0.539	0.553	0.473
125	0.342	0.324	0.333	0.253
62.5	0.208	0.199	0.204	0.124
31.25	0.148	0.138	0.143	0.063
0	0.083	0.077	0.080	?

Msds

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