



Human Fatty acid-binding protein, epidermal(FABP5) ELISA kit

Product Code	CSB-EL007946HU
Abbreviation	FABP5
Target Name	fatty acid binding protein 5 (psoriasis-associated)
Uniprot No.	Q01469
Alias	E-FABP, EFABP, PA-FABP, PAFABP
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	0.78 ng/mL-50 ng/mL
Sensitivity	0.195 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	FABP5
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human FABP5 ELISA Kit was designed for the quantitative measurement of Human FABP5 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 0.78 ng/mL-50 ng/mL and the sensitivity is 0.195 ng/mL.
Target Details	This gene encodes the fatty acid binding protein found in epidermal cells, and was first identified as being upregulated in psoriasis tissue. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. The human genome contains many pseudogenes similar to this locus.
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 FABP5 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 %	107
1:1	Range %	94-111
	Average %	98
1:2	Range %	88-102
	Average %	100
1:4	Range %	89-104
	Average %	94
1:8	Range %	82-99

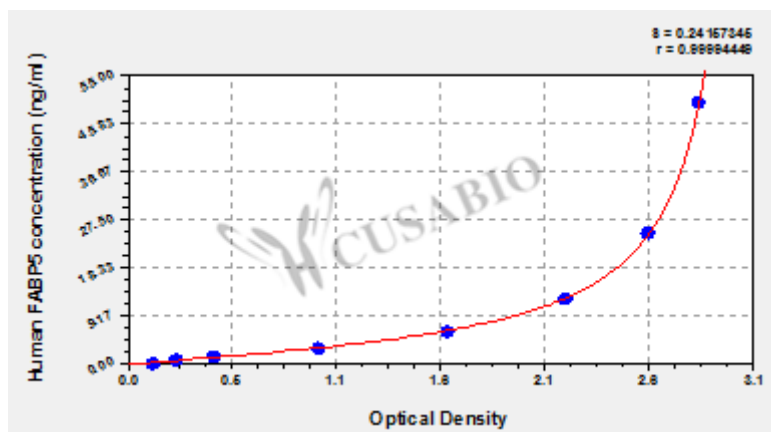
Recovery

The recovery of human FABP5 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	90-97
EDTA plasma (n=4)	100	91-104

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

50	2.905	2.812	2.859	2.718
25	2.665	2.553	2.609	2.468
12.5	2.138	2.245	2.192	2.051
6.25	1.629	1.587	1.608	1.467
3.12	0.970	0.953	0.962	0.821
1.56	0.449	0.441	0.445	0.304
0.78	0.258	0.248	0.253	0.112
0	0.138	0.144	0.141	?

Msds

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