



Human Ficolin-2(FCN2) ELISA kit

Product Code	CSB-EL008551HU
Abbreviation	FCN2
Protein Biological Process 1	Complement
Target Name	ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)
Uniprot No.	Q15485
Alias	RP11-263F14.2, EBP-37, FCNL, P35, ficolin-2, L-ficolin collagen/fibrinogen domain-containing protein 2 ficolin 2 ficolin B serum lectin p35
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Complement activation lectin pathway
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.25 ng/mL-16 ng/mL
Sensitivity	0.06 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	Immunology
Gene Names	FCN2
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human FCN2 ELISA Kit was designed for the quantitative measurement of Human FCN2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.25 ng/mL-16 ng/mL and the sensitivity is 0.06 ng/mL.

Target Details

The product of this gene belongs to the ficolin family of proteins. This family is characterized by the presence of a leader peptide, a short N-terminal segment, followed by a collagen-like region, and a C-terminal fibrinogen-like domain. This gene is predominantly expressed in the liver, and has been shown to have carbohydrate binding and opsonic activities. Alternatively spliced transcript variants encoding different isoforms have been identified.



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 FCN2 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)
1:1000	Average %	86
	Range %	80-94
1:2000	Average %	95
	Range %	91-99
1:4000	Average %	108
	Range %	98-115
1:8000	Average %	95
	Range %	89-98

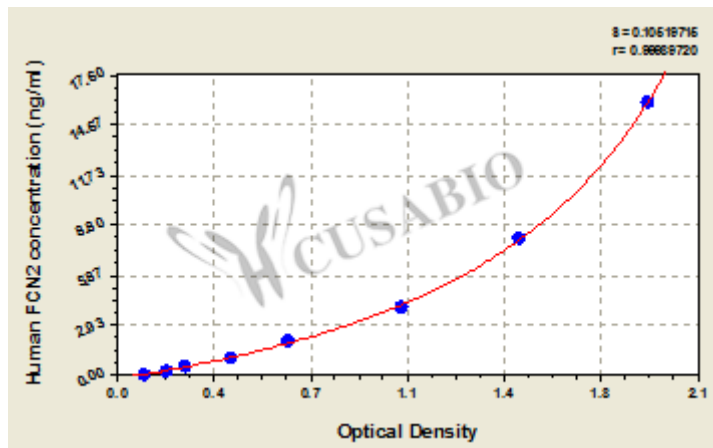
Recovery

The recovery of human FCN2 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)	101	98-106

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

16	2.007	1.900	1.954	1.844
8	1.526	1.443	1.485	1.375
4	1.097	1.009	1.053	0.943
2	0.645	0.621	0.633	0.523
1	0.429	0.420	0.425	0.315
0.5	0.264	0.254	0.259	0.149
0.25	0.190	0.186	0.188	0.078
0	0.110	0.109	0.110	?

**Msd**

```
{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL008551HU.pdf","filename":"MSDS"}}
```