



Human EGF-containing fibulin-like extracellular matrix protein 1(EFEMP1) ELISA kit

Product Code	CSB-EL007450HU
Abbreviation	EFEMP1
Target Name	EGF-containing fibulin-like extracellular matrix protein 1
Uniprot No.	Q12805
Alias	DHRD, DRAD, FBLN3, FBNL, FLJ35535, MGC111353, MLVT, MTLV, S1-5, fibrillin-like fibulin 3
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	1.56 ng/mL-100 ng/mL
Sensitivity	0.39 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	Neuroscience
Gene Names	EFEMP1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human EFEMP1 ELISA Kit was designed for the quantitative measurement of Human EFEMP1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 1.56 ng/mL-100 ng/mL and the sensitivity is 0.39 ng/mL.
Target Details	This gene encodes a member of the fibulin family of extracellular matrix glycoproteins. Like all members of this family, the encoded protein contains tandemly repeated epidermal growth factor-like repeats followed by a C-terminus fibulin-type domain. This gene is upregulated in malignant gliomas and may play a role in the aggressive nature of these tumors. Mutations in this gene are associated with Doyme honeycomb retinal dystrophy. Alternatively spliced transcript variants that encode the same protein have been described.
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 EFEMP1 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 %	102
	Range %	98-109
1:2	Average %	84
	Range %	80-88
1:4	Average %	90
	Range %	85-94
1:8	Average %	93
	Range %	89-97

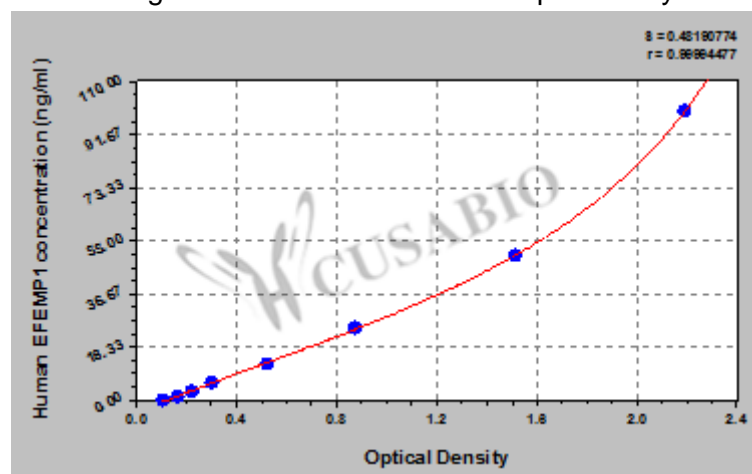
Recovery

The recovery of human EFEMP1 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)	89	83-94
EDTA plasma (n=4)	95	90-100

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
100	2.261	2.127	2.194	2.074
50	1.539	1.500	1.520	1.400
25	0.854	0.902	0.878	0.758
12.5	0.517	0.545	0.531	0.411
6.25	0.315	0.304	0.310	0.190
3.12	0.226	0.233	0.230	0.110
1.56	0.170	0.182	0.176	0.056
0	0.121	0.118	0.120	

**Msd**

```
{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL007450HU.pdf","filename":"MSDS"}}
```