



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

Product Code	CSB-EL007450MO
Abbreviation	EFEMP1
Target Name	EGF-containing fibulin-like extracellular matrix protein 1
Uniprot No.	Q8BPB5
Alias	DHRD, DRAD, FBLN3, FBNL, FLJ35535, MGC111353, MLVT, MTLV, S1-5, fibrillin-like fibulin 3
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.81 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	Neuroscience
Gene Names	Efemp1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse EFEMP1 ELISA Kit was designed for the quantitative measurement of Mouse EFEMP1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.81 pg/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 mouse 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 %	96
	Range %	92-100
1:2	Average %	88
	Range %	84-92
1:4	Average %	92
	Range %	88-96
1:8	Average %	104
	Range %	100-108

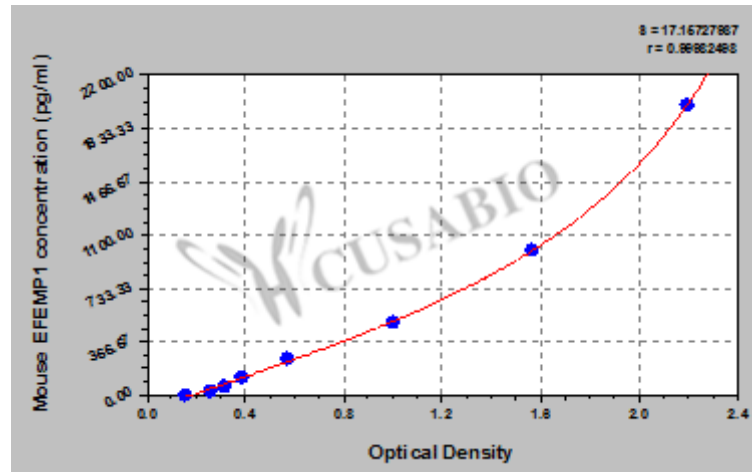
Recovery

The recovery of mouse 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)	90	85-94
EDTA plasma (n=4)	97	93-101

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	2.243	2.168	2.206	2.033
1000	1.553	1.605	1.579	1.406
500	1.016	1.013	1.015	0.842
250	0.597	0.574	0.586	0.413
125	0.388	0.412	0.400	0.227
62.5	0.324	0.337	0.331	0.158
31.25	0.277	0.271	0.274	0.101
0	0.177	0.169	0.173	?

Msds

```
{
  "0": {
    "fileurl": "https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL007450MO.pdf",
    "filename": "MSDS"
  }
}
```