



Mouse pigment epithelium-derived factor, PEDF ELISA Kit

Product Code	CSB-E08820m
Abbreviation	SERPINF1
Target Name	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1
Uniprot No.	P97298
Alias	EPC-1, PEDF, PIG35, pigment epithelium-derived factor proliferation-inducing protein 35 serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), m
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates, cell culture supernates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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	Others
Gene Names	Serpinf1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse SERPINF1 ELISA Kit was designed for the quantitative measurement of Mouse SERPINF1 protein in serum, plasma, tissue homogenates, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>

Linearity



To assess the linearity of the assay, samples were spiked with high concentrations of mouse PEDF 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 %	85
	Range %	80-90
1:2	Average %	95
	Range %	90-100
1:4	Average %	94
	Range %	88-99
1:8	Average %	94
	Range %	90-100

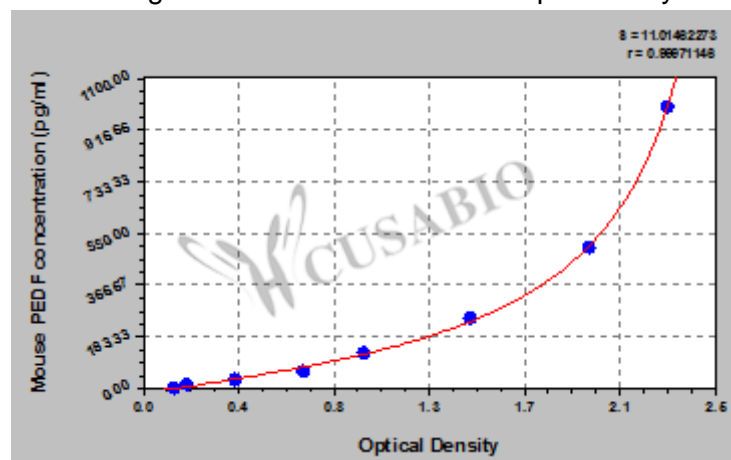
Recovery

The recovery of mouse PEDF 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	90-102
EDTA plasma (n=4)	99	92-104

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
1000	2.334	2.217	2.276	2.129
500	1.987	1.891	1.939	1.792
250	1.436	1.414	1.425	1.278
125	1.005	0.926	0.966	0.819
62.5	0.718	0.698	0.708	0.561
31.2	0.422	0.402	0.412	0.265
15.6	0.203	0.201	0.202	0.055
0	0.151	0.143	0.147	?

Msds

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