



Mouse tissue inhibitors of metalloproteinase 3, TIMP-3 ELISA kit

Product Code	CSB-E07385m
Abbreviation	TIMP3
Target Name	TIMP metalloproteinase inhibitor 3
Uniprot No.	P39876
Alias	HSMRK222, K222, K222TA2, SFD, MIG-5 protein tissue inhibitor of metalloproteinase 3
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	46.88 pg/mL-3000 pg/mL
Sensitivity	11.72 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	Cancer
Gene Names	Timp3
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse TIMP3 ELISA Kit was designed for the quantitative measurement of Mouse TIMP3 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 46.88 pg/mL-3000 pg/mL and the sensitivity is 11.72 pg/mL.
Target Details	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy.
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 TIMP-3 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 %	100
1:1	Range %	95-104
	Average %	94
1:2	Range %	88-98
	Average %	98
1:4	Range %	91-102
	Average %	97
1:8	Range %	90-102

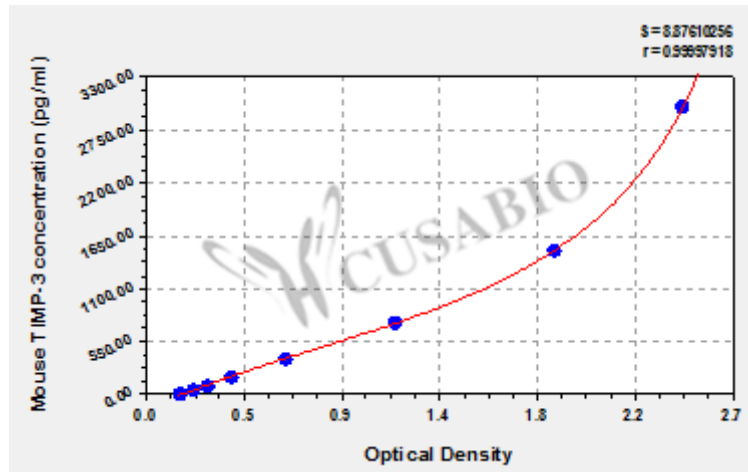
Recovery

The recovery of mouse TIMP-3 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)	94	87-100
EDTA plasma (n=4)	101	95-105

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
3000	2.494	2.421	2.458	2.288
1500	1.893	1.856	1.875	1.705
750	1.165	1.132	1.149	0.979
375	0.650	0.643	0.647	0.477
187.5	0.413	0.390	0.402	0.232
93.75	0.301	0.294	0.298	0.128
46.88	0.229	0.225	0.227	0.057
0	0.169	0.171	0.170	?

Msds

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