



Mouse Semaphorin-3F(SEMA3F) ELISA kit

Product Code	CSB-EL020985MO
Abbreviation	SEMA3F
Target Name	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F
Uniprot No.	O88632
Alias	SEMA-IV, SEMA4, SEMAK, sema IV sema domain, immunoglobulin domain (Ig), short basic domain, secreted, 3F semaphorin 3F semaphorin III/F semaphorin IV
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 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	Sema3f
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse SEMA3F ELISA Kit was designed for the quantitative measurement of Mouse SEMA3F protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL.
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 SEMA3F 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 %	97
	Range %	92-103
1:2	Average %	91
	Range %	87-97
1:4	Average %	92
	Range %	88-96
1:8	Average %	101
	Range %	96-106

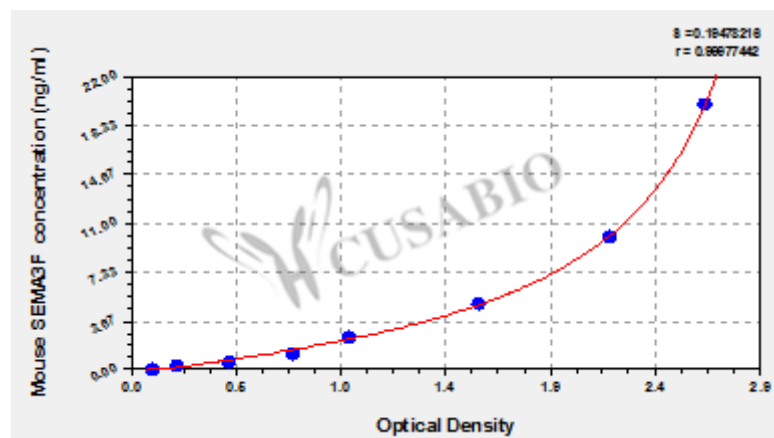
Recovery

The recovery of mouse SEMA3F 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)	91	88-94
EDTA plasma (n=4)	107	103-111

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
20	2.567	2.699	2.633	2.529
10	2.144	2.244	2.194	2.090
5	1.569	1.625	1.597	1.493
2.5	1.025	0.989	1.007	0.903
1.25	0.748	0.746	0.747	0.643
0.625	0.462	0.454	0.458	0.354
0.312	0.210	0.223	0.217	0.113
0	0.103	0.105	0.104	?

Msds

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