



Mouse Mannan-binding lectin serine protease 2(MASP2) ELISA kit

Product Code	CSB-EL013510MO
Abbreviation	MASP2
Protein Biological Process 1	Complement
Target Name	mannan-binding lectin serine peptidase 2
Uniprot No.	Q91WP0
Alias	MAP19, MASP-2, sMAP, MBL-associated plasma protein of 19 kD MBL-associated serine protease 2 mannan-binding lectin serine protease 2 small MBL-associated protein
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Complement pathway
Sample Types	serum, plasma, tissue homogenates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.2 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	Immunology
Gene Names	Masp2
Tag Info	quantitative
Protein Description	Competitive
Description	This Mouse MASP2 ELISA Kit was designed for the quantitative measurement of Mouse MASP2 protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.2 pg/mL.
Target Details	The Ra-reactive factor (RARF) is a complement-dependent bactericidal factor that binds to the Ra and R2 polysaccharides expressed by certain enterobacteria. Alternate splicing of this gene results in two transcript variants



encoding two RARF components that are involved in the mannan-binding lectin pathway of complement activation. The longer isoform is cleaved into two chains which form a heterodimer linked by a disulfide bond. The encoded proteins are members of the trypsin family of peptidases.

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 MASP2 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)
1:100	Average %	92
	Range %	89-95
1:200	Average %	101
	Range %	97-106
1:400	Average %	86
	Range %	83-90
1:800	Average %	102
	Range %	97-107

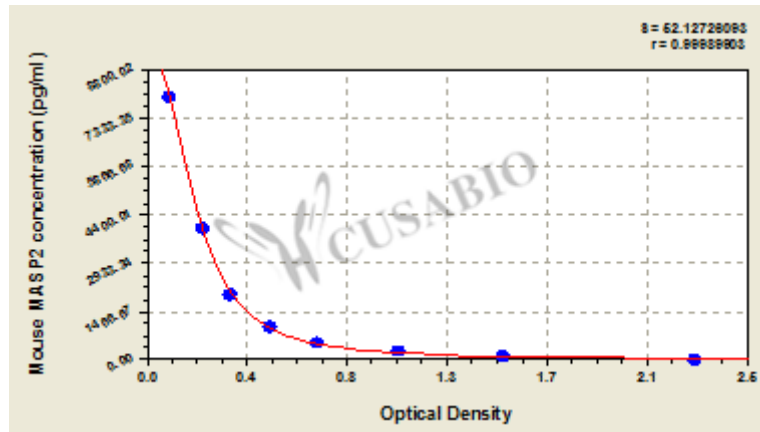
Recovery

The recovery of mouse MASP2 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	85-93
EDTA plasma (n=4)	100	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
8000	0.100	0.106	0.103
4000	0.243	0.240	0.242
2000	0.358	0.361	0.360
1000	0.516	0.531	0.524
500	0.701	0.740	0.721
250	1.027	1.100	1.064
125	1.507	1.496	1.502
0	2.311	2.298	2.305