Mouse alpha-1-microglobulin/bikunin precursor (AMBP) ELISA kit

Product Code	CSB-E09776m
Abbreviation	AMBP
Protein Biological Process 1	Tumor marker
Target Name	alpha-1-microglobulin/bikunin precursor (AMBP)
Uniprot No.	Q07456
Alias	A1M, EDC1, HCP, HI30, IATIL, ITI, ITIL, ITILC, UTI, alpha-1-microglobulin/bikunin|bikunin|complex-forming glycoprotein heterogeneous in charge|growth-inhibiting protein 19|inter-alpha-trypsin inhibi
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	1.563 ng/mL-100 ng/mL
Sensitivity	0.649 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	Cancer
Gene Names	Ambp
Tag Info	quantitative
Protein Description	Competitive
Description	This Mouse AMBP ELISA Kit was designed for the quantitative measurement of Mouse AMBP protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 1.563 ng/mL-100 ng/mL and the sensitivity is 0.649 ng/mL.
Target Details	This gene encodes a complex glycoprotein secreted in plasma. The precursor is proteolytically processed into distinct functioning proteins: alpha-1-microglobulin, which belongs to the superfamily of lipocalin transport proteins and may play a role in the regulation of inflammatory processes, and bikunin, which is a urinary trypsin inhibitor belonging to the superfamily of Kunitz-type protease inhibitors and plays an important role in many physiological and pathological processes.

This gene is located on chromosome 9 in a cluster of lipocalin genes.

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 AMBP 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 %	104
	Range %	101-107
1:200	Average %	96
	Range %	93-99
1:400	Average %	94
	Range %	90-97
1:800	Average %	91
	Range %	84-95

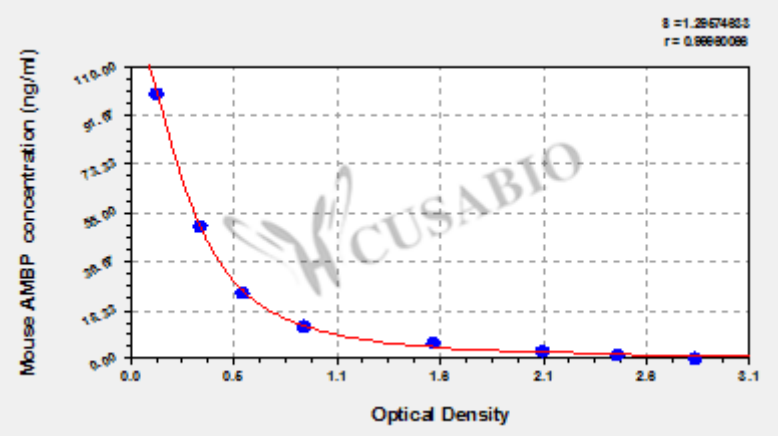
Recovery

The recovery of mouse AMBP 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	87-93
EDTA plasma (n=4)	97	92-102

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
100	0.140	0.145	0.143
50	0.357	0.366	0.362
25	0.569	0.578	0.574
12.5	0.865	0.898	0.882
6.25	1.544	1.532	1.538
3.125	2.083	2.098	2.091
1.563	2.469	2.466	2.468
0	2.844	2.878	2.861