



Mouse Lysosome-associated membrane glycoprotein 2(LAMP2) ELISA kit

Product Code	CSB-EL012740MO
Abbreviation	LAMP2
Target Name	lysosomal-associated membrane protein 2
Uniprot No.	P17047
Alias	CD107b, LAMPB, LGP110, lysosome-associated membrane protein 2
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.81 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	Cardiovascular
Gene Names	Lamp2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse LAMP2 ELISA Kit was designed for the quantitative measurement of Mouse LAMP2 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.81 pg/mL.
Target Details	This protein is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may play a role in tumor cell metastasis. It may also function in the protection, maintenance, and adhesion of the lysosome. Alternative splicing of this gene results in multiple transcript variants encoding distinct proteins.
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 LAMP2 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 %	92
1:1	Range %	87-96
	Average %	105
1:2	Range %	101-109
	Average %	86
1:4	Range %	83-89
	Average %	98
1:8	Range %	94-102

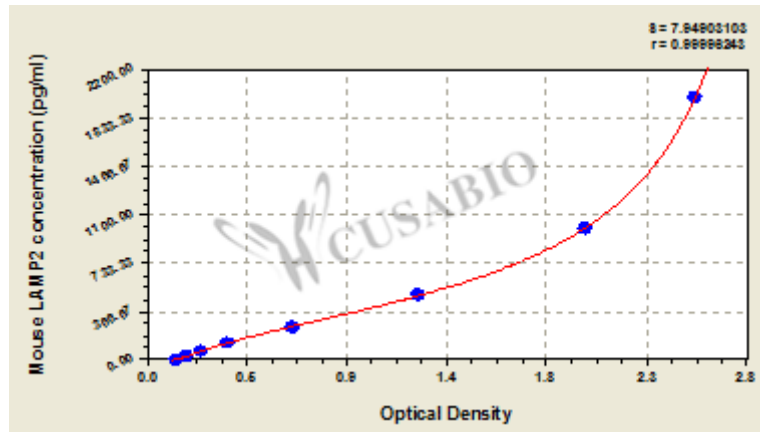
Recovery

The recovery of mouse LAMP2 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)	106	103-109
EDTA plasma (n=4)	93	90-96

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
2000	2.492	2.534	2.513	2.371
1000	2.017	2.009	2.013	1.871
500	1.297	1.204	1.251	1.109
250	0.669	0.678	0.674	0.532
125	0.376	0.382	0.379	0.237
62.5	0.256	0.263	0.260	0.118
31.25	0.192	0.187	0.190	0.048
0	0.141	0.143	0.142	?

Msds

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