



# Human lysosomal-associated membrane protein 2,HLAMP-2 ELISA Kit

<b>Product Code</b>	CSB-E09701h
<b>Abbreviation</b>	LAMP2
<b>Target Name</b>	lysosomal-associated membrane protein 2,HLAMP-2
<b>Uniprot No.</b>	P13473
<b>Alias</b>	CD107b, LAMPB, LGP110, lysosome-associated membrane protein 2
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	0.312 ng/mL-20 ng/mL
<b>Sensitivity</b>	0.078 ng/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Others
<b>Gene Names</b>	LAMP2
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human LAMP2 ELISA Kit was designed for the quantitative measurement of Human LAMP2 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.
<b>Target Details</b>	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.
<b>Product Precision</b>	<b>Intra-assay Precision (Precision within an assay): CV%&lt;8%</b> Three samples of known concentration were tested twenty times on one plate to assess. <b>Inter-assay Precision (Precision between assays):CV%&lt;10%</b>



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 human HLAMP-2 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 %	90
1:1	Range %	85-97
	Average %	104
1:2	Range %	100-110
	Average %	89
1:4	Range %	84-93
	Average %	96
1:8	Range %	91-100

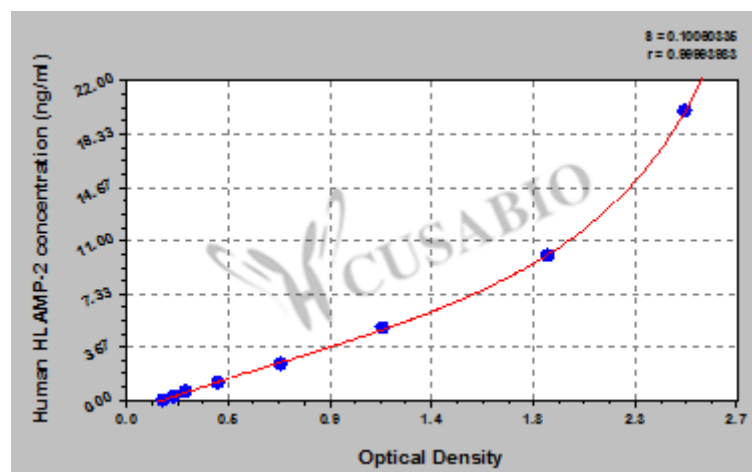
## Recovery

The recovery of human HLAMP-2 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)	87	82-91
EDTA plasma (n=4)	93	89-97

## 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	2.482	2.526	2.504	2.320
10	1.870	1.912	1.891	1.707
5	1.145	1.169	1.157	0.973
2.5	0.715	0.693	0.704	0.520
1.25	0.410	0.440	0.425	0.241
0.625	0.290	0.271	0.281	0.097
0.312	0.224	0.237	0.231	0.047
0	0.180	0.188	0.184	?

**Msd**

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