



Mouse Galectin-9(LGALS9) ELISA kit

Product Code	CSB-EL012895MO
Abbreviation	LGALS9
Target Name	lectin, galactoside-binding, soluble, 9
Uniprot No.	O08573
Alias	HUAT, LGALS9A, MGC117375, MGC125973, MGC125974, ecalectin galectin 9 galectin-9 urate transporter/channel protein
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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	Cell Biology
Gene Names	Lgals9
Tag Info	quantitative
Protein Description	Sandwich
Description	<p>This Mouse LGALS9 ELISA Kit was designed for the quantitative measurement of Mouse LGALS9 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.</p>
Target Details	<p>The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. This protein is an S-type lectin. It is overexpressed in Hodgkin s disease tissue and might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. Multiple alternatively spliced transcript variants have been found for this gene.</p>
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10%</p>



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 LGALS9 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 %	86-98
	Average %	99
1:2	Range %	92-107
	Average %	95
1:4	Range %	92-98
	Average %	89
1:8	Range %	82-94

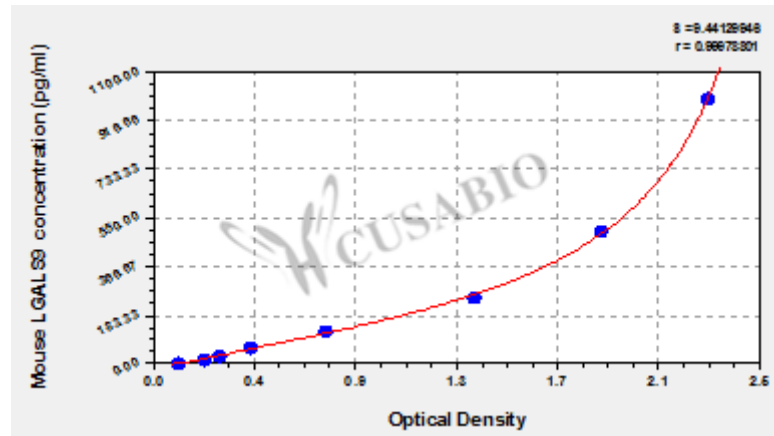
Recovery

The recovery of mouse LGALS9 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	86-93
EDTA plasma (n=4)	101	95-108

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
1000	2.339	2.314	2.327	2.212
500	1.853	1.919	1.886	1.771
250	1.355	1.356	1.356	1.241
125	0.742	0.724	0.733	0.618
62.5	0.423	0.411	0.417	0.302
31.2	0.289	0.285	0.287	0.172
15.6	0.222	0.233	0.228	0.113
0	0.115	0.114	0.115	?

Msds

```
{
  "0": {
    "fileurl": "https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL012895MO.pdf",
    "filename": "MSDS"
  }
}
```