



Mouse Glucose Regulated Protein 78(GRP78)Elisa kit

Product Code	CSB-E17690m
Abbreviation	GRP78
Target Name	Glucose Regulated Protein 78(GRP78)Elisa kit
Uniprot No.	P20029
Alias	BIP, FLJ26106, GRP78, MIF2, Heat-shock 70kD protein-5 (glucose-regulated protein, 78kD) heat shock 70kD protein 5 (glucose-regulated protein, 78kD) heat shock 70kDa protein 5
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	0.45 ng/mL-30 ng/mL
Sensitivity	0.11 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	Tags & Cell Markers
Gene Names	Hspa5
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse GRP78 ELISA Kit was designed for the quantitative measurement of Mouse GRP78 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 0.45 ng/mL-30 ng/mL and the sensitivity is 0.11 ng/mL.
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 GRP78 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)
1:1	Average %	92
	Range %	85-98
1:2	Average %	98
	Range %	93-104
1:4	Average %	89
	Range %	85-93
1:8	Average %	90
	Range %	87-94

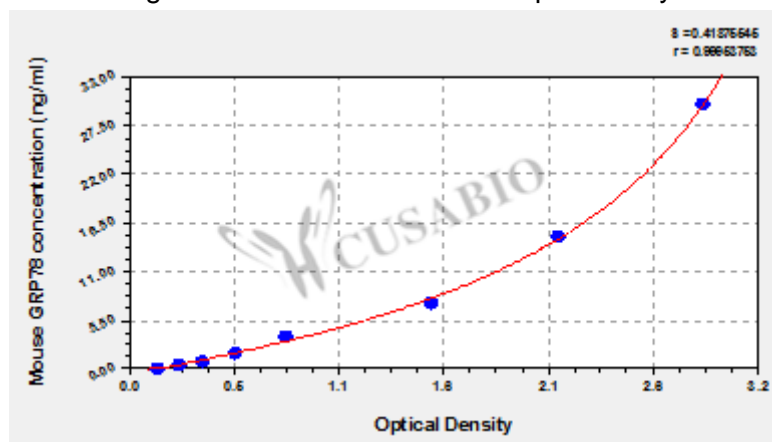
Recovery

The recovery of mouse GRP78 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)	92	86-98
EDTA plasma (n=4)	96	94-101

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
30	2.803	2.980	2.892	2.739
15	2.130	2.205	2.168	2.015
7.5	1.547	1.511	1.529	1.376
3.75	0.802	0.800	0.801	0.648
1.8	0.531	0.565	0.548	0.395
0.9	0.371	0.385	0.378	0.225
0.45	0.266	0.257	0.262	0.109
0	0.156	0.150	0.153	

Msds

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