



Mouse Gastrin-releasing peptide(GRP) ELISA kit

Product Code	CSB-EL009940MO																								
Abbreviation	GRP																								
Target Name	gastrin-releasing peptide																								
Uniprot No.	Q8R1I2																								
Alias	BN, GRP-10, preproGRP, proGRP, bombesin neuromedin C pre-progastrin releasing peptide																								
Product Type	ELISA Kit																								
Immunogen Species	Mus musculus (Mouse)																								
Sample Types	serum, plasma, tissue homogenates																								
Detection Range	39 pg/mL-2500 pg/mL																								
Sensitivity	9.75 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	Signal Transduction																								
Gene Names	Grp																								
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 GRP in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table> <tr> <td>?</td><td>Sample</td><td>Serum(n=4)</td></tr> <tr> <td rowspan="2">1:1</td><td>Average %</td><td>98</td></tr> <tr> <td>Range %</td><td>92-102</td></tr> <tr> <td rowspan="2">1:2</td><td>Average %</td><td>98</td></tr> <tr> <td>Range %</td><td>91-106</td></tr> <tr> <td rowspan="2">1:4</td><td>Average %</td><td>95</td></tr> <tr> <td>Range %</td><td>89-98</td></tr> <tr> <td rowspan="2">1:8</td><td>Average %</td><td>96</td></tr> <tr> <td>Range %</td><td>92-104</td></tr> </table>		?	Sample	Serum(n=4)	1:1	Average %	98	Range %	92-102	1:2	Average %	98	Range %	91-106	1:4	Average %	95	Range %	89-98	1:8	Average %	96	Range %	92-104
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Recovery																									

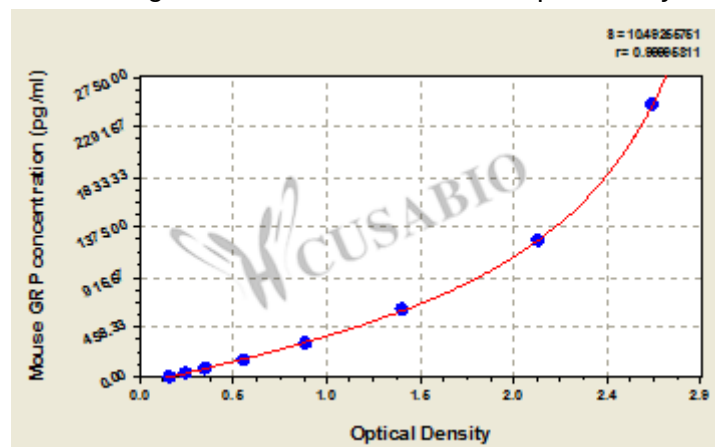


The recovery of mouse GRP spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	94	89-98
EDTA plasma (n=4)	89	82-96

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
2500	2.738	2.616	2.677	2.512
1250	2.158	2.010	2.084	1.919
625	1.390	1.368	1.379	1.214
312.5	0.866	0.886	0.876	0.711
156.25	0.560	0.542	0.551	0.386
78.125	0.351	0.363	0.357	0.192
39.063	0.256	0.250	0.253	0.088
0	0.162	0.167	0.165	?

Msds

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