



Rat prostacycline,PGI2 ELISA Kit

Product Code	CSB-E13706r																			
Abbreviation	PGI2																			
Target Name	prostacycline,PGI2																			
Product Type	ELISA Kit																			
Immunogen Species	Rattus norvegicus (Rat)																			
Sample Types	serum, plasma, tissue homogenates																			
Detection Range	0.25 ng/mL-50 ng/mL																			
Sensitivity	0.125 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	Biochemicals																			
Tag Info	quantitative																			
Protein Description	Competitive																			
Description	<p>This Rat PGI2 ELISA Kit was designed for the quantitative measurement of Rat PGI2 protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 0.25 ng/mL-50 ng/mL and the sensitivity is 0.125 ng/mL.</p>																			
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<15%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<15%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>																			
Linearity	<p>To assess the linearity of the assay, samples were spiked with high concentrations of rat PGI2 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.</p> <table> <tr> <td>?</td><td>Sample</td><td>Serum(n=4)</td></tr> <tr> <td rowspan="2">1:1</td><td>Average %</td><td>96</td></tr> <tr> <td>Range %</td><td>92-104</td></tr> <tr> <td rowspan="2">1:2</td><td>Average %</td><td>94</td></tr> <tr> <td>Range %</td><td>91-98</td></tr> <tr> <td rowspan="2">1:4</td><td>Average %</td><td>102</td></tr> <tr> <td>Range %</td><td>98-106</td></tr> </table>		?	Sample	Serum(n=4)	1:1	Average %	96	Range %	92-104	1:2	Average %	94	Range %	91-98	1:4	Average %	102	Range %	98-106
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	Range %	91-98																		
1:4	Average %	102																		
	Range %	98-106																		



1:8	Average %	88
	Range %	82-94

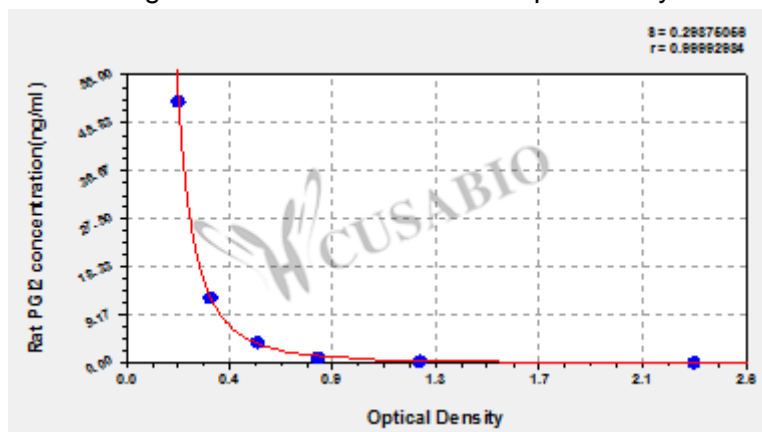
Recovery

The recovery of rat PGI2 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	90-98
EDTA plasma (n=4)	103	98-107

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
50	0.223	0.222	0.223
12.5	0.356	0.351	0.354
4	0.546	0.557	0.552
1	0.794	0.804	0.799
0.25	1.173	1.275	1.224
0	2.404	2.305	2.355