



Human Prostaglandin D2(PGD2) ELISA kit

Product Code	CSB-E13898h
Abbreviation	PGD2
Target Name	Prostaglandin D2(PGD2)
Alias	N/A
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, cell culture supernates, tissue homogenates, urine
Detection Range	23.5 pg/mL-1500 pg/mL
Sensitivity	5.8 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
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human PGD2 ELISA Kit was designed for the quantitative measurement of Human PGD2 protein in serum, cell culture supernates, tissue homogenates, urine. It is a Sandwich ELISA kit, its detection range is 23.5 pg/mL-1500 pg/mL and the sensitivity is 5.8 pg/mL.

Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8%</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%<10%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>
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Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human PGD2 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 %	88
	Range %	80-94
1:2	Average %	98
	Range %	91-105
1:4	Average %	99
	Range %	94-110



1:8	Average %	94
	Range %	87-98

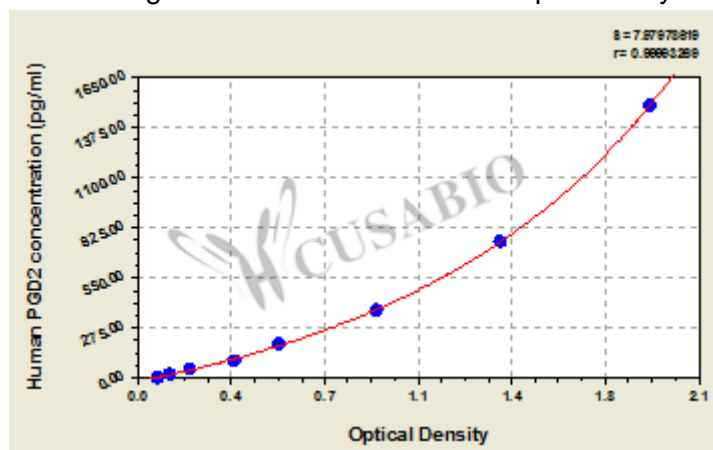
Recovery

The recovery of human PGD2 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)	96	89-102

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
1500	1.985	1.854	1.920	1.840
750	1.403	1.323	1.363	1.283
375	0.912	0.886	0.899	0.819
187.5	0.545	0.525	0.535	0.455
94	0.371	0.359	0.365	0.285
47	0.204	0.198	0.201	0.121
23.5	0.129	0.126	0.128	0.048
0	0.080	0.079	0.080	?

Msds

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