



# Human 8-epi-prostaglandin F2alpha,8-epi-PGF2α ELISA Kit

Product Code	CSB-E09441h			
Abbreviation	8-epi-PGF2α			
Target Name	8-epi-prostaglandin F2alpha,8-epi-PGF2α			
Alias	8-epi-prostaglandin F2α,8-epi-PGF2α,8-epi-PGF2 alpha			
Product Type	ELISA Kit			
Immunogen Species	Homo sapiens (Human)			
Sample Types	serum, urine, tissue homogenates			
Detection Range	78 pg/mL-5000 pg/mL			
Sensitivity	19.5 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	Others			
Tag Info	quantitative			
Protein Description	Sandwich			
Description	<p>This Human 8-epi-PGF2α ELISA Kit was designed for the quantitative measurement of Human 8-epi-PGF2α protein in serum, urine, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 78 pg/mL-5000 pg/mL and the sensitivity is 19.5 pg/mL.</p>			
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%&lt;8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%&lt;10% 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 human 8-epi-PGF2α 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></table>	?	Sample	Serum(n=4)
?	Sample	Serum(n=4)		



1:1	Average %	96
	Range %	87-103
1:2	Average %	86
	Range %	82-93
1:4	Average %	100
	Range %	95-103
1:8	Average %	93
	Range %	84-100

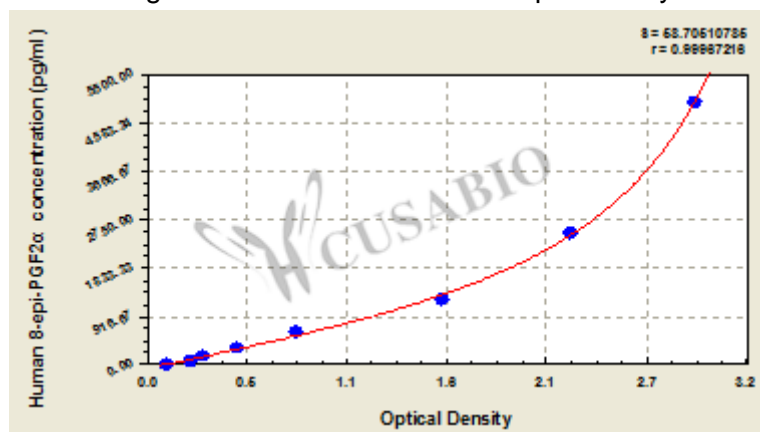
## Recovery

The recovery of human 8-epi-PGF2 $\alpha$  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	90-103

## 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
5000	2.965	2.897	2.931	2.820
2500	2.211	2.323	2.267	2.156
1250	1.599	1.566	1.583	1.472
625	0.811	0.802	0.807	0.696
312	0.505	0.474	0.490	0.379
156	0.311	0.301	0.306	0.195
78	0.251	0.234	0.243	0.132
0	0.113	0.109	0.111	?

## Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E09441h.pdf","filename":"MSDS"}}