



Human Peptidase inhibitor 16(PI16) ELISA kit

Product Code	CSB-EL017951HU
Abbreviation	PI16
Target Name	peptidase inhibitor 16
Uniprot No.	Q6UXB8
Alias	CRISP9, DKFZp586B1817, MGC45378, MSMBBP, PSPBP, PSP94-binding protein microseminoprotein, beta-binding protein protease inhibitor 16
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-10 ng/mL
Sensitivity	0.156 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	Cell Biology
Gene Names	PI16
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human PI16 ELISA Kit was designed for the quantitative measurement of Human PI16 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-10 ng/mL and the sensitivity is 0.156 ng/mL.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<15%
 Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<20%
 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 human PI16 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 %	91
	Range %	83-98
1:2	Average %	95
	Range %	88-105
1:4	Average %	90
	Range %	84-105
1:8	Average %	95
	Range %	89-100

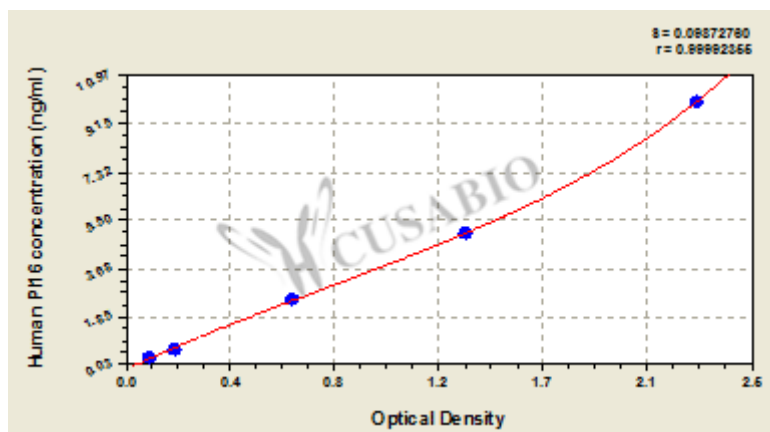
Recovery

The recovery of human PI16 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	91-105
EDTA plasma (n=4)	95	86-108

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	?
10	2.254	2.266	2.260	?
5	1.342	1.354	1.348	?
2.5	0.662	0.669	0.666	?
0.625	0.197	0.211	0.204	?
0.312	0.099	0.102	0.101	?

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL017951HU.pdf","filename":"MSDS"}}