



Human pregnancy associated plasma protein A, PAPP-A ELISA Kit

Product Code	CSB-E08220h
Abbreviation	PAPPA
Target Name	pregnancy-associated plasma protein A, pappalysin 1
Uniprot No.	Q13219
Alias	RP11-45A16.1, ASBABP2, DIPLA1, IGFBP-4ase, PAPA, PAPP-A, PAPPA1, aspecific BCL2 ARE-binding protein 2[differentially placenta 1 expressed protein]insulin-like growth factor-dependent IGF binding pro
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, urine
Detection Range	1.7 ng/mL-50 ng/mL
Sensitivity	0.4 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	PAPPA
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human PAPPA ELISA Kit was designed for the quantitative measurement of Human PAPPA protein in serum, plasma, urine. It is a Sandwich ELISA kit, its detection range is 1.7 ng/mL-50 ng/mL and the sensitivity is 0.4 ng/mL.
Target Details	This gene encodes a secreted metalloproteinase which cleaves insulin-like growth factor binding proteins (IGFBPs). It is thought to be involved in local proliferative processes such as wound healing and bone remodeling. Low plasma level of this protein has been suggested as a biochemical marker for pregnancies with aneuploid fetuses.
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%<15%



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 PAPP-A 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)
	Average %	86
1:5	Range %	80-93
	Average %	90
1:10	Range %	85-95
	Average %	95
1:20	Range %	90-100
	Average %	94
1:40	Range %	86-100

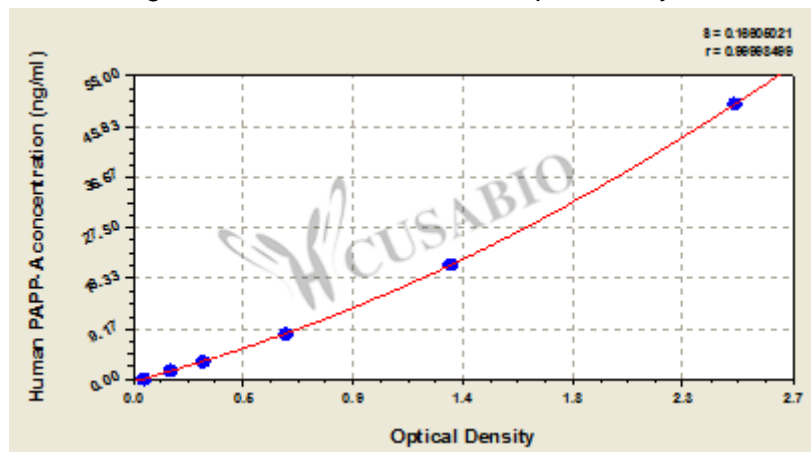
Recovery

The recovery of human PAPP-A 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)	95	89-98

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	Corrected
50	2.542	2.452	2.497	2.450
20.8	1.283	1.356	1.320	1.273
8.3	0.642	0.631	0.637	0.590
3.3	0.287	0.305	0.296	0.249
1.7	0.155	0.160	0.158	0.111
0	0.046	0.047	0.047	?

Msds

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