



Human α 2-Antiplasmin, α 2-AP ELISA Kit

Product Code	CSB-E09452h
Abbreviation	SERPINF2
Protein Biological Process 1	Immunity
Target Name	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2
Uniprot No.	P08697
Alias	A2AP, AAP, ALPHA-2-PI, API, PLI, OTTHUMP00000115656 alpha-2-antiplasmin alpha-2-plasmin inhibitor serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Acute phase
Sample Types	serum, plasma
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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
Gene Names	SERPINF2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human SERPINF2 ELISA Kit was designed for the quantitative measurement of Human SERPINF2 protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL .
Target Details	This gene encodes a member of the serpin family of serine protease inhibitors. The protein is a major inhibitor of plasmin, which degrades fibrin and various other proteins. Consequently, the proper function of this gene has a major role in regulating the blood clotting pathway. Mutations in this gene result in alpha-2-



plasmin inhibitor deficiency, which is characterized by severe hemorrhagic diathesis. Multiple transcript variants encoding different isoforms have been found for this gene.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

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 α 2-AP 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 %	88
1:1	Range %	84-93
	Average %	85
1:2	Range %	81-91
	Average %	92
1:4	Range %	88-100
	Average %	95
1:8	Range %	91-99

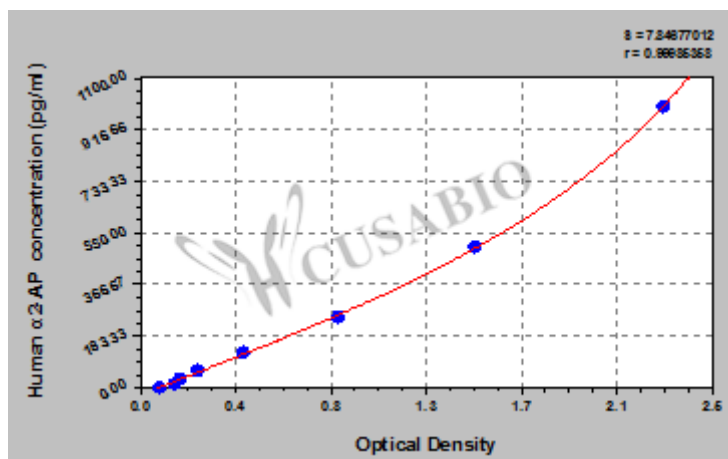
Recovery

The recovery of human α 2-AP 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)	89	83-94
EDTA plasma (n=4)	95	90-100

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
1000	2.272	2.346	2.309	2.214
500	1.476	1.491	1.484	1.389
250	0.863	0.892	0.878	0.783
125	0.448	0.479	0.464	0.369
62.5	0.268	0.251	0.260	0.165
31.2	0.187	0.178	0.183	0.088
15.6	0.169	0.159	0.164	0.069
0	0.097	0.092	0.095	?

Msds

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