Human Napsin-A(NAPSA) ELISA kit

Product Code	CSB-EL015452HU
Abbreviation	NAPSA
Target Name	napsin A aspartic peptidase
Uniprot No.	O96009
Alias	KAP, Kdap, NAP1, NAPA, SNAPA, napsin A|pronapsin A
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	4.7 ng/mL-300 ng/mL
Sensitivity	1.18 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	NAPSA
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human NAPSA ELISA Kit was designed for the quantitative measurement of Human NAPSA protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 4.7 ng/mL-300 ng/mL and the sensitivity is 1.18 ng/mL.
Target Details	The activation peptides of aspartic proteinases plays role as inhibitors of the active site. These peptide segments, or pro-parts, are deemed important for correct folding, targeting, and control of the activation of aspartic proteinase zymogens. The pronapsin A gene is expressed predominantly in lung and kidney. Its translation product is predicted to be a fully functional, glycosylated aspartic proteinase precursor containing an RGD motif and an additional 18 residues at its C-terminus.
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 NAPSA 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)
1:5	Average %	104
	Range %	97-108
1:10	Average %	101
	Range %	95-104
1:20	Average %	97
	Range %	89-101
1:40	Average %	106
	Range %	98-110

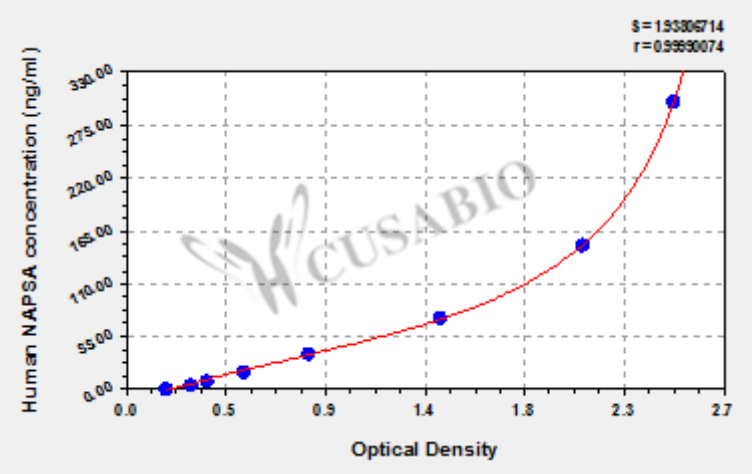
Recovery

The recovery of human NAPSA 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)	101	95-104
EDTA plasma (n=4)	101	94-105

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
300	2.435	2.527	2.481	2.289
150	2.042	2.104	2.073	1.881
75	1.455	1.409	1.432	1.240
37.5	0.843	0.823	0.833	0.641
18.75	0.552	0.538	0.545	0.353
9.4	0.381	0.376	0.379	0.187
4.7	0.301	0.311	0.306	0.114
0	0.190	0.194	0.192	?

Msds

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