Human Kallikrein 10,KLK 10 ELISA Kit

Product Code	CSB-E10095h
Abbreviation	KLK10
Protein Biological Process 1	Cell Cycle
Target Name	kallikrein-related peptidase 10
Uniprot No.	O43240
Alias	NES1, PRSSL1, breast normal epithelial cell associated serine protease|kallikrein 10|normal epithelial cell-specific 1|protease, serine-like, 1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell cycle
Sample Types	serum, plasma
Detection Range	1.675 ng/mL-40 ng/mL
Sensitivity	0.7 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	Cancer
Gene Names	KLK10
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human KLK10 ELISA Kit was designed for the quantitative measurement of Human KLK10 protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 1.675 ng/mL-40 ng/mL and the sensitivity is 0.7 ng/mL.
Target Details	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same

protein.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<10%

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 KLK 10 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 %	92
	Range %	85-106
1:2	Average %	91
	Range %	88-97
1:4	Average %	95
	Range %	90-103
1:8	Average %	95
	Range %	89-101

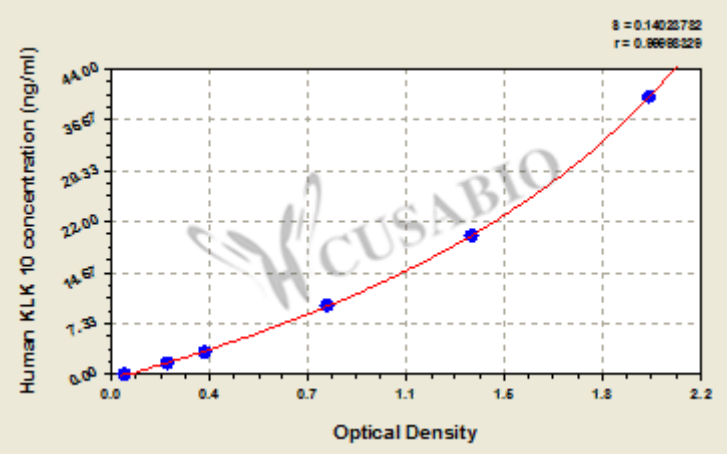
Recovery

The recovery of human KLK 10 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)	92	89-100
EDTA plasma (n=4)	95	90-99

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
40	1.956	2.014	1.985	1.931
20	1.337	1.324	1.331	1.277
10	0.796	0.808	0.802	0.748
3.3	0.342	0.355	0.349	0.295
1.67	0.211	0.215	0.213	0.159
0	0.053	0.055	0.054	?

Msds

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