



Rabbit Pulmonary surfactant-associated protein A(SFTPA1) ELISA kit

Product Code	CSB-EL021168RB
Abbreviation	SFTPA1
Protein Biological Process 1	Transport
Target Name	surfactant protein A1
Uniprot No.	P12842
Alias	AC068139.6, MGC133365, PSAP, PSPA, SFTP1, SFTPA1, pulmonary surfactant apoprotein surfactant, pulmonary-associated protein A1 surfactant, pulmonary-associated protein A1B
Product Type	ELISA Kit
Immunogen Species	Oryctolagus cuniculus (Rabbit)
Protein Biological Process 3	Gaseous exchange
Sample Types	serum, plasma, tissue homogenates
Detection Range	1.56 ng/mL-100 ng/mL
Sensitivity	0.39 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	Signal Transduction
Gene Names	SFTPA1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rabbit SFTPA1 ELISA Kit was designed for the quantitative measurement of Rabbit SFTPA1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.56 ng/mL-100 ng/mL and the sensitivity is 0.39 ng/mL.
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 rabbit SFTPA1 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 %	82-96
1:2	Average %	107
	Range %	90-111
1:4	Average %	90
	Range %	85-94
1:8	Average %	91
	Range %	85-95

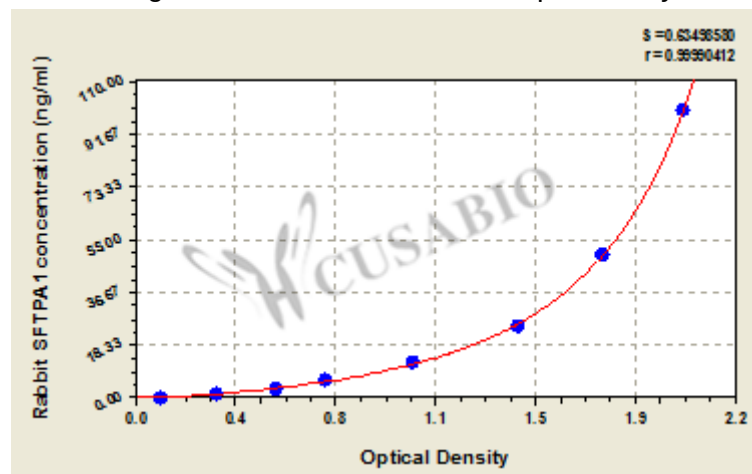
Recovery

The recovery of rabbit SFTPA1 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)	90	82-95
EDTA plasma (n=4)	99	90-105

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
100	2.110	1.991	2.051	1.950
50	1.813	1.688	1.751	1.650
25	1.382	1.484	1.433	1.332
12.5	1.053	1.028	1.041	0.940
6.25	0.726	0.705	0.716	0.615
3.12	0.536	0.528	0.532	0.431
1.56	0.309	0.302	0.306	0.205
0	0.098	0.104	0.101	

Msds

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