



Human Secreted frizzled-related protein 2(SFRP2) ELISA kit

Product Code	CSB-EL021139HU
Abbreviation	SFRP2
Protein Biological Process 1	Developmental Protein
Target Name	secreted frizzled-related protein 2
Uniprot No.	Q96HF1
Alias	FRP-2, SARP1, SDF-5, secreted apoptosis related protein 1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Differentiation
Sample Types	serum, plasma, cell culture supernates, tissue homogenates, cell lysates
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.039 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	Cardiovascular
Gene Names	SFRP2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human SFRP2 ELISA Kit was designed for the quantitative measurement of Human SFRP2 protein in serum, plasma, cell culture supernates, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/mL.
Target Details	This gene encodes a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs act as soluble modulators of Wnt signaling. Methylation of this gene is a potential marker for the presence of colorectal cancer.
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 SFRP2 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 %	97
	Range %	92-103
1:2	Average %	91
	Range %	85-98
1:4	Average %	92
	Range %	88-96
1:8	Average %	99
	Range %	96-104

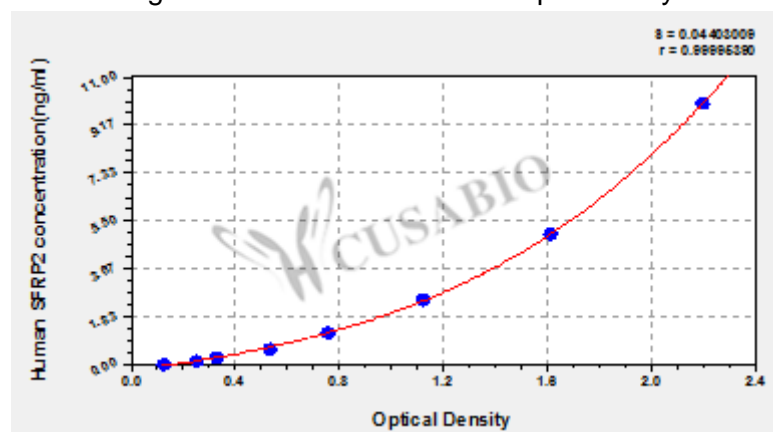
Recovery

The recovery of human SFRP2 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	87-94
EDTA plasma (n=4)	96	90-102

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
10	2.206	2.119	2.163	2.026
5	1.535	1.650	1.593	1.456
2.5	1.125	1.103	1.114	0.977
1.25	0.766	0.745	0.756	0.619
0.625	0.521	0.554	0.538	0.401
0.312	0.350	0.327	0.339	0.202
0.156	0.253	0.268	0.261	0.124
0	0.138	0.136	0.137	

**Msd**s

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