



Human Angiopoietin-1(ANGPT1) ELISA kit

Product Code	CSB-EL001706HU
Abbreviation	ANGPT1
Protein Biological Process 1	Cardiovascular
Target Name	angiopoietin 1
Uniprot No.	Q15389
Alias	AGP1, AGPT, ANG1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Angiogenesis
Sample Types	serum, plasma, tissue homogenates, cell culture supernates
Detection Range	1.25 ng/mL-80 ng/mL
Sensitivity	0.091 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	ANGPT1
Tag Info	quantitative
Protein Description	Sandwich

Description	This Human ANGPT1 ELISA Kit was designed for the quantitative measurement of Human ANGPT1 protein in serum, plasma, tissue homogenates, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 1.25 ng/mL-80 ng/mL and the sensitivity is 0.091 ng/mL.
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Target Details	Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. This protein is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the
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heart.

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.

	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3
n	20	20	20	20	20	20
Mean(ng/ml)	10.483	10.921	9.904	10.512	11.553	10.535
SD	0.089	0.048	0.071	0.098	0.083	0.089
CV(%)	7.995	4.178	6.708	8.753	6.881	7.992

Linearity

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

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

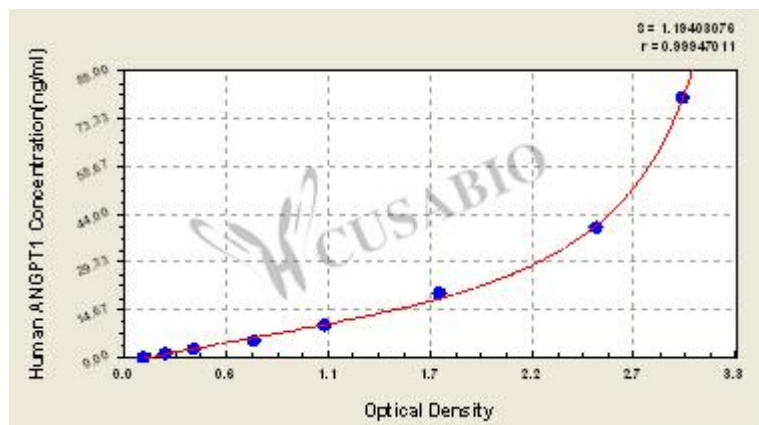
Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

	Sample	Serum(n=4)
1:1	Average %	87
	Range %	81-93
1:2	Average %	92
	Range %	84-100
1:4	Average %	91
	Range %	84-98
1:8	Average %	95
	Range %	90-100

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
0	0.115	0.106	0.111	
1.25	0.218	0.238	0.228	0.117
2.5	0.383	0.387	0.385	0.274
5	0.702	0.714	0.708	0.597
10	1.036	1.129	1.083	0.972
20	1.554	1.839	1.697	1.586
40	2.563	2.519	2.541	2.430
80	2.911	3.091	3.001	2.890

Msds

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