



Human angiopoietin-like protein 2(ANGPTL2)

ELISA kit

Product Code	CSB-E13881h
Abbreviation	ANGPTL2
Target Name	angiopoietin-like 2
Uniprot No.	Q9UKU9
Alias	RP11-1M19.1, ARP2, HARP, MGC8889, angiopoietin-related protein 2
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell culture supernates, 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	Cardiovascular
Gene Names	ANGPTL2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human ANGPTL2 ELISA Kit was designed for the quantitative measurement of Human ANGPTL2 protein in serum, plasma, cell culture supernates, 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 .
Target Details	Angiopoietins are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietin-1, angiopoietin-2, and angiopoietin-4 participate in the formation of blood vessels. ANGPTL2 protein is a secreted glycoprotein with homology to the angiopoietins and may exert a function on endothelial cells through autocrine or paracrine action.
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 ANGPTL2 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)
	Average %	91
1:1	Range %	86-95
	Average %	102
1:2	Range %	97-107
	Average %	91
1:4	Range %	85-97
	Average %	97
1:8	Range %	91-103

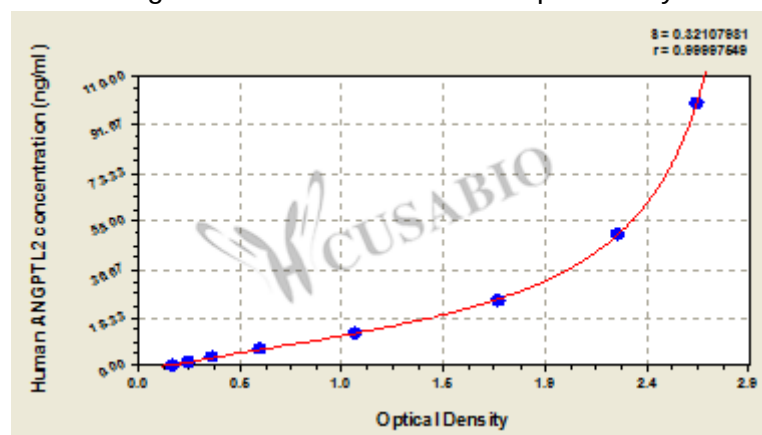
Recovery

The recovery of human ANGPTL2 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)	95	89-98
EDTA plasma (n=4)	97	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
100	2.621	2.684	2.653	2.479
50	2.218	2.336	2.277	2.103
25	1.703	1.729	1.716	1.542
12.5	1.012	1.065	1.039	0.865
6.25	0.575	0.598	0.587	0.413
3.12	0.357	0.369	0.363	0.189
1.56	0.246	0.258	0.252	0.078
0	0.173	0.175	0.174	?

Msds

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