



Pig Angiopoietin 2,ANG-2 ELISA Kit

Product Code	CSB-E08460p
Abbreviation	ANGPT2
Protein Biological Process 1	Angiogenesis
Target Name	angiopoietin 2
Uniprot No.	Q9BDY7
Alias	AGPT2, ANG2, Tie2-ligand angiopoietin-2 angiopoietin-2B angiopoietin-2a
Product Type	ELISA Kit
Immunogen Species	Sus scrofa (Pig)
Protein Biological Process 3	Angiogenesis
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.94 ng/mL-60 ng/mL
Sensitivity	0.235 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	ANGPT2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Pig ANGPT2 ELISA Kit was designed for the quantitative measurement of Pig ANGPT2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.94 ng/mL-60 ng/mL and the sensitivity is 0.235 ng/mL.
Target Details	This protein is an antagonist of angiopoietin 1 (ANGPT1) and endothelial TEK tyrosine kinase (TIE-2, TEK). The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene.
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 pig ANG-2 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 %	86
	Range %	83-89
1:2	Average %	99
	Range %	96-102
1:4	Average %	87
	Range %	84-90
1:8	Average %	97
	Range %	91-103

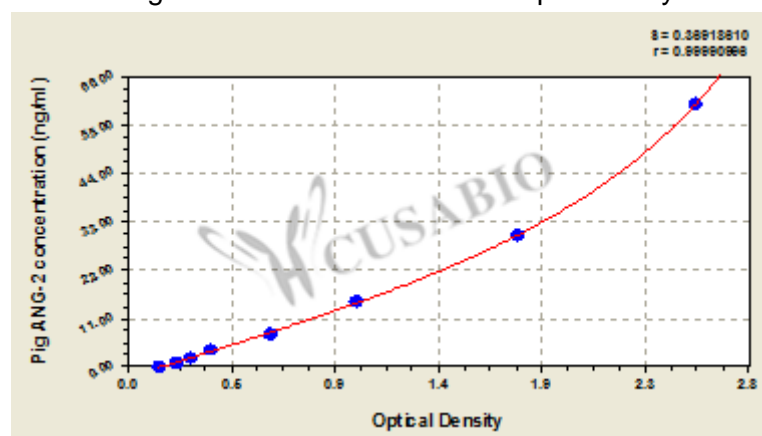
Recovery

The recovery of pig ANG-2 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)	89	85-92
EDTA plasma (n=4)	93	87-98

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
60	2.509	2.596	2.553	2.401
30	1.749	1.768	1.759	1.607
15	1.004	1.068	1.036	0.884
7.5	0.663	0.642	0.653	0.501
3.75	0.390	0.378	0.384	0.232
1.88	0.298	0.290	0.294	0.142
0.94	0.224	0.239	0.232	0.080
0	0.151	0.153	0.152	

Msds

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