



# Pig Angiopoietin 1,ANG-1 ELISA Kit

<b>Product Code</b>	CSB-E08457p
<b>Abbreviation</b>	ANGPT1
<b>Protein Biological Process 1</b>	Angiogenesis
<b>Target Name</b>	angiopoietin 1
<b>Uniprot No.</b>	Q9BDY8
<b>Alias</b>	AGP1, AGPT, ANG1
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Sus scrofa (Pig)
<b>Protein Biological Process 3</b>	Angiogenesis
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	6 ng/mL-200 ng/mL
<b>Sensitivity</b>	6 ng/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Cardiovascular
<b>Gene Names</b>	ANGPT1
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Competitive
<b>Target Details</b>	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 heart.
<b>Product Precision</b>	<p><b>Intra-assay Precision (Precision within an assay): CV%&lt;15%</b>  Three samples of known concentration were tested twenty times on one plate to assess.</p> <p><b>Inter-assay Precision (Precision between assays): CV%&lt;15%</b></p>



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-1 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 %	95
	Range %	90-105
1:2	Average %	95
	Range %	85-100
1:4	Average %	89
	Range %	85-101
1:8	Average %	90
	Range %	80-99

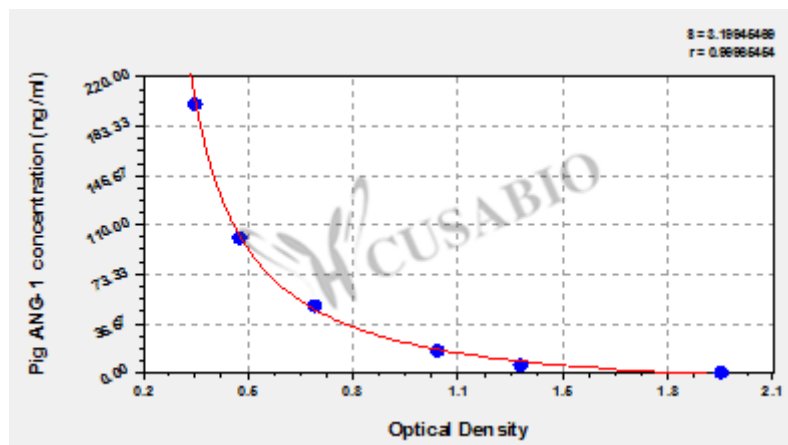
## Recovery

The recovery of pig ANG-1 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)	97	92-105
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
200	0.345	0.351	0.348
100	0.478	0.486	0.482
50	0.703	0.716	0.710
17	1.068	1.103	1.086
6	1.316	1.355	1.336
0	1.925	1.968	1.947