



# Mouse Aminopeptidase N(ANPEP) ELISA kit

<b>Product Code</b>	CSB-EL001827MO
<b>Abbreviation</b>	ANPEP
<b>Protein Biological Process 1</b>	Angiogenesis
<b>Uniprot No.</b>	P97449
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	39 mU/mL-2500 mU/mL
<b>Sensitivity</b>	9.7 mU/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>	Anpep
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

**Description**

This Mouse ANPEP ELISA Kit was designed for the quantitative measurement of Mouse ANPEP protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 39 mU/mL-2500 mU/mL and the sensitivity is 9.7 mU/mL .

**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 mouse ANPEP 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)
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1:1	Average %	88
	Range %	84-97
1:2	Average %	95
	Range %	90-99
1:4	Average %	102
	Range %	95-106
1:8	Average %	95
	Range %	89-99

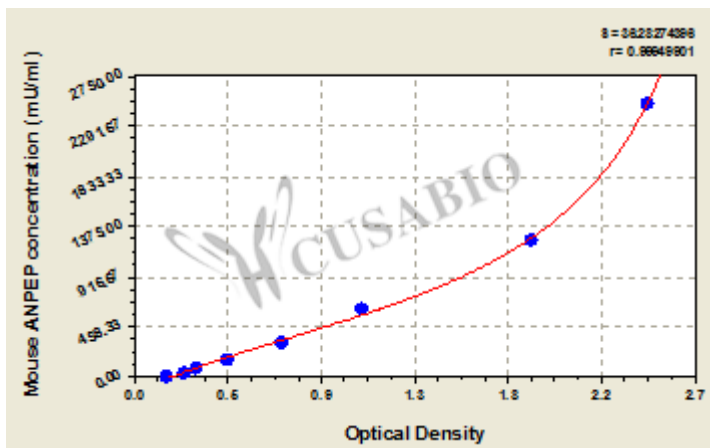
**Recovery**

The recovery of mouse ANPEP 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)	88	82-96	
EDTA plasma (n=4)	97	93-104	

**Typical**

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



mU/ml	OD1	OD2	Average	Corrected
2500	2.500	2.400	2.450	2.285
1250	1.970	1.830	1.900	1.735
625	1.119	1.075	1.097	0.932
312.5	0.706	0.717	0.712	0.547
156.25	0.447	0.458	0.453	0.288
78	0.304	0.315	0.310	0.145
39	0.246	0.252	0.249	0.084
0	0.164	0.165	0.165	?

**Msds**

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