



BMA BIOMEDICALS



Peninsula Laboratories

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**S-1133**

## **Angiotensin II ELISA**

Angiotensin II (Angiotensin 1-8) is a naturally occurring peptide hormone of the renin-angiotensin-aldosterone system (RAAS). It consists of eight amino acids and causes vasoconstriction and an increase in blood pressure. Besides these immediate effects, it also enhances or modulates inflammation, endothelial dysfunction and atherosclerosis.

This ELISA was developed with serum from rabbits immunized with Angiotensin II coupled to a carrier protein.

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### **TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	A18144
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	96 tests
<b>Format:</b>	Formulated for extracted samples (EIAH type).
<b>Shelf-life:</b>	One year from production date. Store refrigerated at 4° - 8°C.
<b>Applications:</b>	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples (original protocol I, Std.Ab.Bt). For research use only. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Range:</b>	0-10ng/ml
<b>Average IC50:</b>	0.3ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-OH coupled to carrier protein.

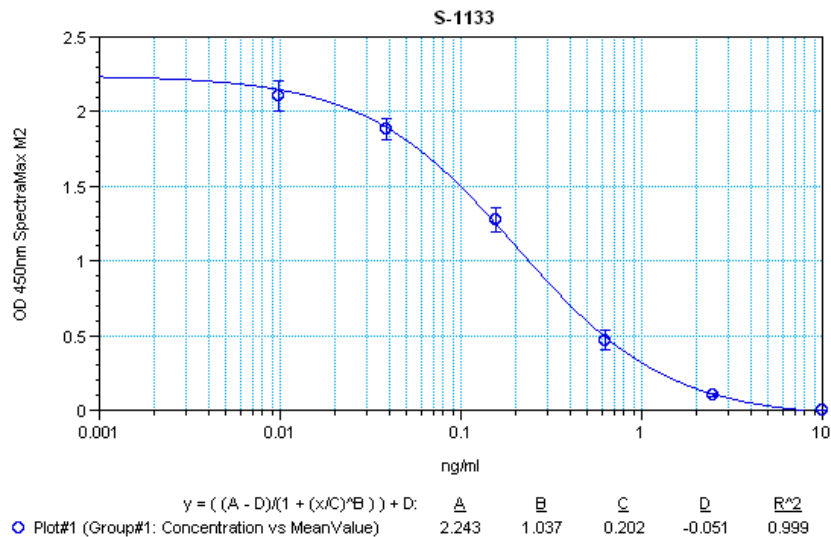
#### **Cross-Reactivity:**

<b>Peptide:</b>	<b>%:</b>
Angiotensin II	100
(Val <sup>5</sup> )-Angiotensin II	100
Angiotensin III	100
Angiotensin A	100
Renin Substrate	0.9
Angiotensin I	0.5
Angiotensin I/II (1-7)	0
Angiotensin I/II (1-5)	0
ANF (1-28) (human)	0

## Cross-Reactivity (continued):

Peptide:	%:
[Arg <sup>8</sup> ]-Vasopressin	0
[Sar <sup>1</sup> , Ile <sup>8</sup> ] Angiotensin II	0
Angiotensin-12 (human)	<0.1
Angiotensin-12 (rat)	<0.1

Typical titration curve of Angiotensin II in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.01 to 10ng/ml
<b>Stock</b>	1000	
<b>S1</b>	10.00	Add 10µl Stock + 990µl diluent
<b>S2</b>	2.50	Add 200µl S1 + 600µl diluent
<b>S3</b>	0.63	Add 200µl S2 + 600µl diluent
<b>S4</b>	0.16	Add 200µl S3 + 600µl diluent
<b>S5</b>	0.04	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.01	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

Related Products: T-4007: anti Angiotensin II, neat antiserum, host: rabbit  
 T-5001: anti Angiotensin II, neat antiserum, host: guinea pig  
 T-4006: anti Angiotensin II, diluted antiserum, host: rabbit  
 T-5000: anti Angiotensin II, diluted antiserum, host: guinea pig

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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EIAH

25.5.2020