



**BMA BIOMEDICALS**



**Peninsula Laboratories**

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## Angiotensin I/II (1-7) ELISA

Angiotensin I/II (Angiotensin 1-7 or Neprilysin) is an active heptapeptide of the renin-angiotensin system (RAS). It derives from the decapeptide Angiotensin I (Angiotensin 1-10) that is converted into Angiotensin (1-7) through the hydrolytic action of angiotensin-converting enzyme 2 (ACE2). Angiotensin (1-7) binds and activates the G-protein coupled receptor Mas and plays protective roles in cardiovascular and metabolic diseases.

This ELISA was developed with serum from rabbits immunized with Angiotensin I/II (1-7) coupled to a carrier protein.

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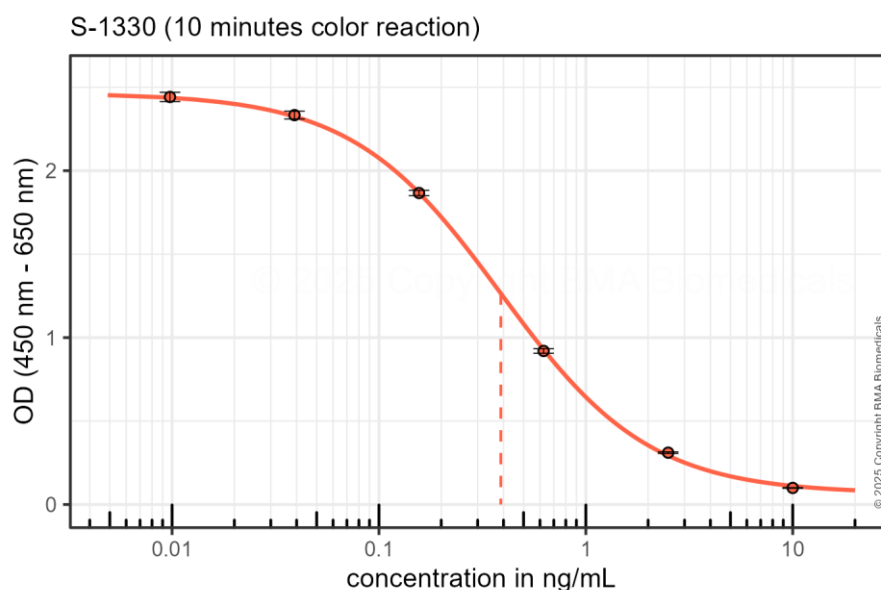
### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Catalog Number:</b>	S-1330 (Lot A19PO22103)
<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 III, Std.Ab1hr.Bt). For research use only. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Std Range:</b>	0 - 10 ng/ml
<b>Linear Range:</b>	0.12 - 1.22 ng/ml
<b>Lower LOD:</b>	0.02 ng/ml
<b>Average IC<sub>50</sub>:</b>	0.39 ng/ml
<b>Average CV<sub>intra</sub>:</b>	2.3 %
<b>Immunogen:</b>	Synthetic peptide H-Asp-Arg-Val-Tyr-Ile-His-Pro-OH coupled to carrier protein.

### Cross-Reactivity:

Peptide:	%:
Angiotensin I/II (1-7)	100
Angiotensin I/II (1-5)	0
Angiotensin I (1-9)	0
Angiotensin I	0
Angiotensin II	0
Angiotensin III	0
Angiotensin A	0

Typical titration curve of Angiotensin I/II (1-7) 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: S-1188: ELISA, high sensitivity for extracted samples (1-10)  
T-4164: Rabbit anti-Angiotensin I (1-10), diluted antiserum  
T-4165: Rabbit anti-Angiotensin I (1-10), purified IgG  
T-4166: Rabbit anti-Angiotensin I (1-10), neat antiserum

This product contains ProClin™ 150 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.