



BMA BIOMEDICALS



Peninsula Laboratories

---

**T- 4165**

## **Rabbit anti Angiotensin I (1-10)**

Angiotensin I (Angiotensin 1-10, also known as Proangiotensin) is a decapeptide formed by the action of renin on angiotensinogen. Angiotensin I can be cleaved to the octapeptide Angiotensin II (Angiotensin 1-8) by the angiotensin-converting enzyme (ACE).

This antibody was generated by immunization of rabbits with Angiotensin I (1-10) coupled to a carrier protein.

---

### **TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	A04220
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
<b>Stability:</b>	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Angiotensin I (1-10). Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <b>www.bma.ch</b> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-His-Leu-OH coupled to carrier protein.

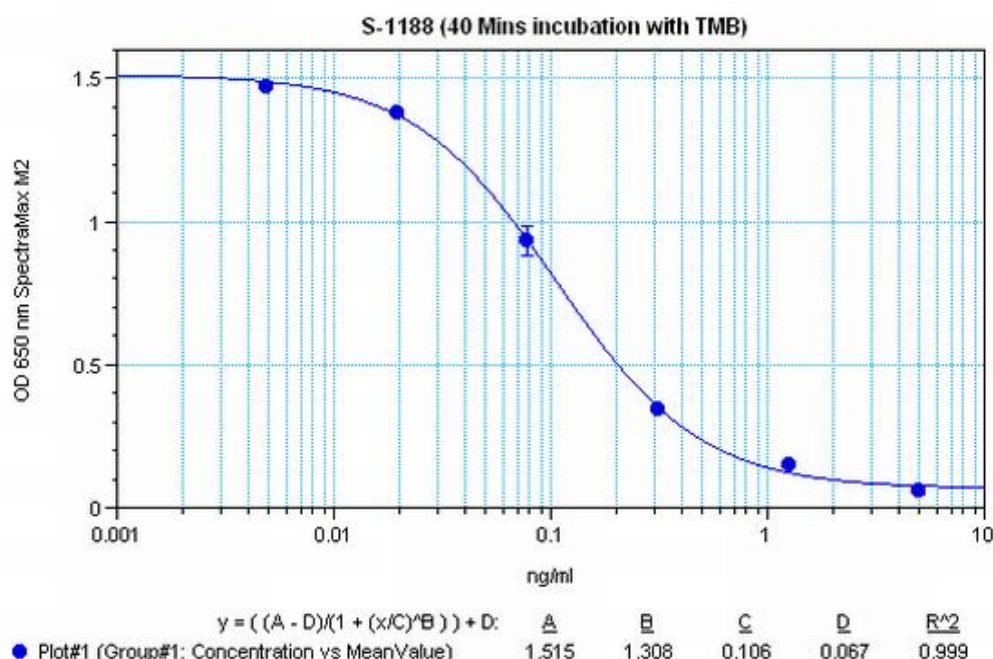
#### **Cross-Reactivity:**

<b>Peptide:</b>	<b>%:</b>
Angiotensin I	100
[Asn <sup>1</sup> ,Val <sup>5</sup> , Asn <sup>9</sup> ]Angiotensin-I	100
[Asn <sup>1</sup> ,Val <sup>5</sup> ]-Angiotensin-I	13
[Val <sup>5</sup> ,Asn <sup>9</sup> ]-Angiotensin-I	100
[Val <sup>5</sup> ,Ser <sup>9</sup> ]-Angiotensin-I	100
Angiotensin II	0
Angiotensin III	0

## Cross-Reactivity (continued):

Peptide:	%:
Neurotensin	0
Substance P	0
[Arg <sup>8</sup> ] Vasopressin	0
Endothelin-1 (hu, bo, ca, po, rt, ms)	0
BNP-32 (human)	0
ANF (1-28) (human)	0
Renin Substrate (human)	0

Typical titration curve of Angiotensin I (1-10) in a competitive ELISA with this antibody:



Related Products:

- S-1330: ELISA, high sensitivity for extracted samples (1-7)
- S-1188: ELISA, high sensitivity for extracted samples (1-10)
- S-1343: ELISA, high sensitivity for extracted samples (1-12), human
- S-1344: ELISA, high sensitivity for extracted samples (1-12), ms, rt

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.

T-4165

rabbit IgG

26.5.2020