



BMA BIOMEDICALS



Peninsula Laboratories

T-4164

Rabbit anti Angiotensin I

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 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A16889
Host species:	Rabbit IgG
Quantity:	50ml
Format:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
Stability:	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.
Applications:	This antibody has been tested and validated in ELISA against Angiotensin I. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-His-Leu-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Angiotensin I	100
[Asn ¹ , Val ⁵ , Asn ⁹]-Angiotensin-I	100
[Asn ¹ , Val ⁵]-Angiotensin-I	13
[Val ⁵ , Asn ⁹]-Angiotensin-I	100
[Val ⁵ , Ser ⁹]-Angiotensin-I	100
Angiotensin-A	0
Angiotensin II	0
Angiotensin III	0
Neurotensin	0
Substance P	0
[Arg ⁸]-Vasopressin	0
Endothelin-1 (human, canine, porcine, rat, mouse)	0
BNP-32 (human)	0
α -ANP (1-28) (human, canine)	0
Renin Substrate (human)	0

Cross-reactivity data is taken from radioimmunoassay and or enzyme immunoassay applications.

Related Products: S-1188: ELISA, high sensitivity for extracted samples (1-10)
S-1330: ELISA, high sensitivity for extracted samples (1-7)
S-1535: ELISA, high sensitivity for extracted samples (1-9)
T-4166: anti Angiotensin I, neat antiserum, host: rabbit
T-4165: anti Angiotensin I, purified IgG, host: rabbit
T-4985: anti Angiotensin I (1-9), lyophilized antiserum for ELISA

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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diluted antiserum

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