



BMA BIOMEDICALS



Peninsula Laboratories

T-5000

Guinea pig anti Angiotensin II

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 antibody was generated by immunization of guinea pigs with Angiotensin II coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	n/a
Host species:	Guinea pig
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 II. 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-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Angiotensin II	100
Angiotensin III	100
Angiotensin I	0.8
Renin Substrate	1
Preangiotensinogen 1-14 (human)	0.3
α -ANP (1-28) (human, canine)	0
[Arg ⁸]-Vasopressin	1

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

Related Products: T-4007: anti Angiotensin II, neat antiserum, host: rabbit
T-5001: anti Angiotensin II, neat antiserum, host: guinea pig
T-4005: anti Angiotensin II, purified IgG, host: rabbit
T-4006: anti Angiotensin II, diluted antiserum, host: rabbit
S-1133: ELISA, high sensitivity for extracted samples

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-5000

diluted antiserum

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