BMA BIOMEDICALS

Peninsula Laboratories

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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product number: S-1133 (Lot A18144)

Host species: Rabbit IgG

Quantity: 96 tests

Format: Formulated for extracted samples (EIAH type).

Shelf-life: One year from date of purchase. Store refrigerated at 4° - 8°C.

Applications: This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples, following protocol I. Please see **www.bma.ch** for protocols and general information.

Range: 0 - 10 ng/ml

Average IC_{50}: 0.3 ng/ml

Immunogen: Synthetic peptide H-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-OH coupled to carrier protein.

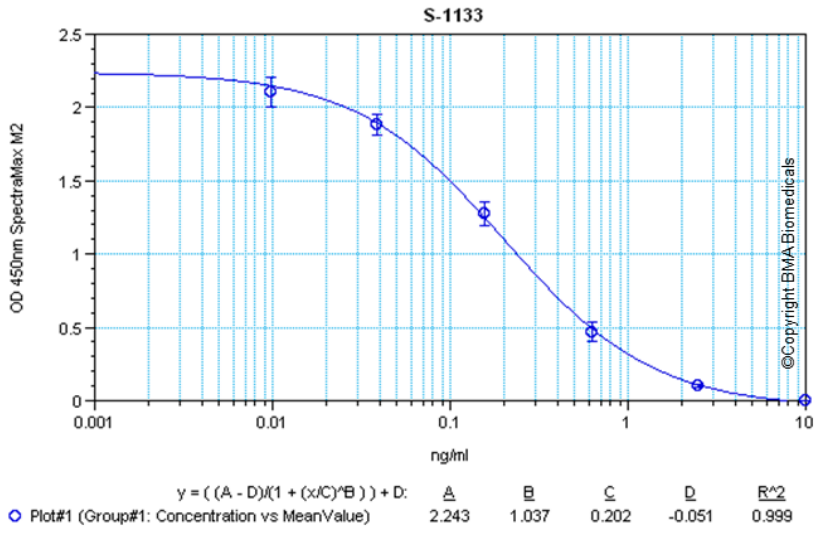
Protein database: human-P01019

Cross-Reactivity:

PEPTIDE	%
Angiotensin II	100
(Val^5)-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
[Arg^8]-Vasopressin	0
[Sar^1, Ile^8] Angiotensin II	0
Angiotensin-12 (human)	<0.1
Angiotensin-12 (rat)	<0.1

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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
Stock	1000	
S1	10.00	Add 10µl Stock + 990µl diluent
S2	2.50	Add 200µl S1 + 600µl diluent
S3	0.63	Add 200µl S2 + 600µl diluent
S4	0.16	Add 200µl S3 + 600µl diluent
S5	0.04	Add 200µl S4 + 600µl diluent
S6	0.01	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products:

T-4006: Rabbit anti Angiotensin II, diluted antiserum
T-4007: Rabbit anti Angiotensin II, neat antiserum
T-5000: Guinea pig anti Angiotensin II, diluted antiserum
T-5001: Guinea pig anti Angiotensin II, neat antiserum

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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