



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1256

### Urotensin II (human) ELISA [UniProt: 095399]

Urotensin-II is a 11-amino acid peptide ligand, agonist for the urotensin-II receptor which is a G protein-coupled receptor that primarily activates the alpha subunit Gαq11. It is the strongest known vasoconstrictor. Because of the involvement of the UII system in multiple biological systems such as the cardiovascular, nervous, endocrine, and renal, it represents a promising target for the development of new drugs.

This ELISA was developed with serum from rabbits immunized with Urotensin-II coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A12782
<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 I, 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>Range:</b>	0-10ng/ml
<b>Average IC50:</b>	0.15ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Glu-Thr-Pro-Asp-Cys-Phe-Trp-Lys-Tyr-Cys-Val-OH, (Disulfide bond) coupled to carrier protein.

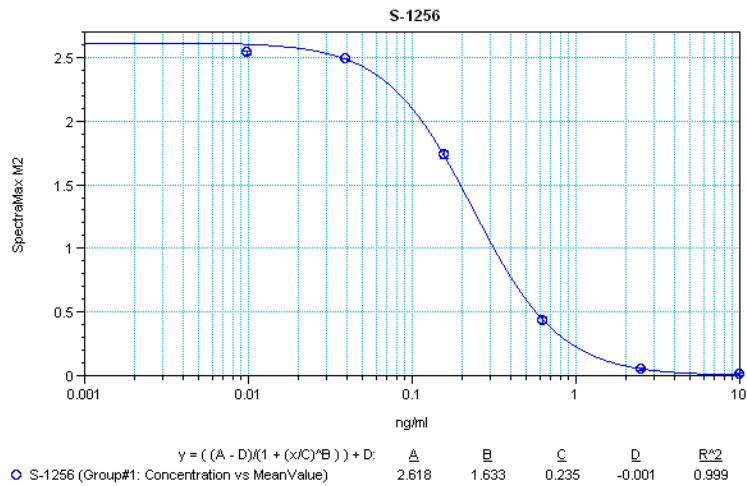
#### Cross-Reactivity:

PEPTIDE:	%:
Urotensin II (human)	100
Urotensin II (goby)	100
Urotensin II (mouse)	22
(Pyr <sup>110</sup> )-Prepro-Urotensin II (110-123) (rat)	0
Urotensin I	0
Corticotropin-Releasing Factor (human, rat)	0
Urocortin (human)	0
Urocortin (rat)	0
Somatostatin-14	0

## Cross-Reactivity (continued):

<b>PEPTIDE:</b>	<b>%:</b>
[Arg <sup>8</sup> ]-Vasopressin	0
Angiotensin II	0
Calcitonin (salmon I)	0
NPY (human, rat)	0

Typical titration curve of Urotensin-II in a competitive ELISA with this antibody:



<b>Suggested Preparation of Standards</b>		
	<b>ng/ml</b>	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 100µl S1 + 300µl diluent
<b>S3</b>	0.63	Add 100µl S2 + 300µl diluent
<b>S4</b>	0.16	Add 100µl S3 + 300µl diluent
<b>S5</b>	0.04	Add 100µl S4 + 300µl diluent
<b>S6</b>	0.01	Add 100µl S5 + 300µl diluent
<b>S0</b>	0.00	300µl diluent

Related Products:

- T-4736: Rabbit anti Urotensin II (hu), diluted antiserum
- T-4738: Rabbit anti Urotensin II (hu), neat antiserum
- T-4737: Rabbit anti Urotensin II (hu), purified IgG
- T-4798: Rabbit anti Urotensin II-Related Peptide, neat antiserum
- T-4797: Rabbit anti Urotensin II-Related Peptide, purified IgG

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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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EIAH

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