



BMA BIOMEDICALS



Peninsula Laboratories

---

## S-1296

### **Proadrenomedullin (45-92) (human) ELISA [UniProt: P35318]**

Proadrenomedullin (45-92) (MR-proADM) is a peptide that is comprised of amino acid residues 45-92 of preproadrenomedullin. It has no effect on precontracted isolated cat pulmonary arterial rings when used at concentrations up to 10  $\mu$ M, unlike adrenomedullin (1-52) and adrenotensin, which induce relaxation and contraction, respectively. Levels of Proadrenomedullin are elevated in the plasma of patients with sepsis and those with cardiovascular disease and positively correlate with disease severity in patients with community-acquired pneumonia.

This ELISA was developed with serum from rabbits immunized with Proadrenomedullin (45-92) coupled to a carrier protein.

---

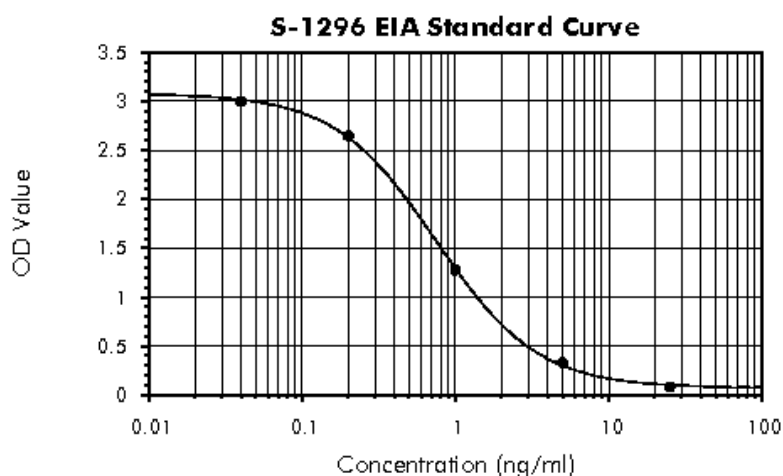
#### **TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	A16441
<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 II, 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>	0.8ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Glu-Leu-Arg-Met-Ser-Ser-Ser-Tyr-Pro-Thr-Gly-Leu-Ala-Asp-Val-Lys-Ala-Gly-Pro-Ala-Gln-Thr-Leu-Ile-Arg-Pro-Gln-Asp-Met-Lys-Gly-Ala-Ser-Arg-Ser-Pro-Glu-Asp-Ser-Ser-Pro-Asp-Ala-Ala-Arg-Ile-Arg-Val-OH to carrier protein.

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

<b>PEPTIDE:</b>	<b>%:</b>
Proadrenomedullin (45-92) (human)	100
Adrenomedullin (1-50) (rat)	0
Adrenomedullin (1-52) (human)	0
Proadrenomedullin-N20 (human)	0
Proadrenomedullin-N20 (rat)	0

Typical titration curve of Proadrenomedullin (45-92) 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 200µl S1 + 600µl diluent
<b>S3</b>	0.63	Add 200µl S2 + 600µl diluent
<b>S4</b>	0.16	Add 200µl S3 + 600µl diluent
<b>S5</b>	0.04	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.01	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

Related Products:

- T-4133: Rabbit anti Proadrenomedullin (1-20), diluted antiserum
- T-4134: Rabbit anti Proadrenomedullin (1-20), neat antiserum
- T-4843: Rabbit anti Proadrenomedullin (45-92), purified IgG
- S-1423: ELISA, high sensitivity for extracted samples (rt)
- S-1409: ELISA, high sensitivity for extracted samples (hu)
- T-4130: Rabbit anti Adrenomedullin, purified IgG
- T-4129: Rabbit anti Adrenomedullin (hu), diluted antiserum
- T-4131: Rabbit anti Adrenomedullin (hu), neat antiserum
- T-4136: Rabbit anti Adrenomedullin (rt), diluted antiserum
- T-4138: Rabbit anti Adrenomedullin (rt), neat antiserum

---

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.