



BMA BIOMEDICALS



Peninsula Laboratories

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**S-1265**

## **Salusin- $\alpha$ (human) ELISA**

Salusins are expressed and synthesized ubiquitously within human, rat, and mouse tissues, including the vasculature, central nervous system, and kidneys. They are present in human plasma and urine, indicating their possible role as peptide hormones in humans. Salusin- $\alpha$  and Salusin- $\beta$  are related peptides produced from prosalusin. Salusins may be potent hypotensive peptides. Particularly, Salusin- $\alpha$  and Salusin- $\beta$  may be endocrine and/or paracrine factors able to increase intracellular calcium concentrations and induce cell mitogenesis.

This ELISA was developed with serum from rabbits immunized with Salusin- $\alpha$  coupled to a carrier protein.

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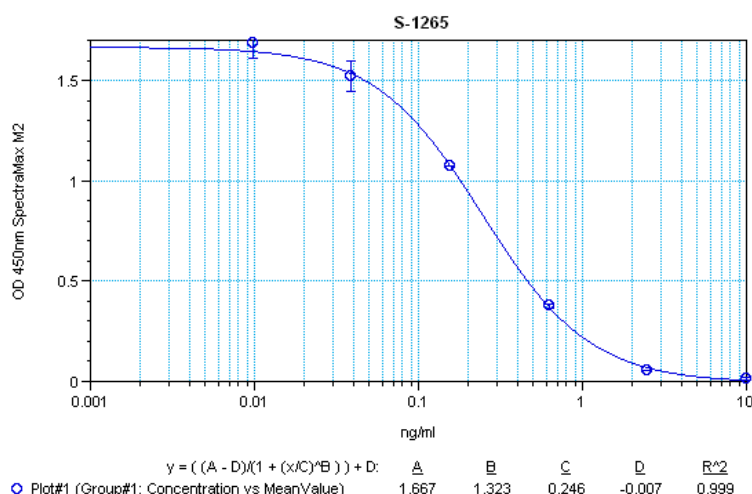
### **TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	n/a
<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 III, 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>	0.4ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Ser-Gly-Ala-Leu-Pro-Pro-Ala-Pro-Ala-Ala-Pro-Arg-Pro-Ala-Leu-Arg-Ala-Gln-Arg-Ala-Gly-Pro-Ala-Gly-Pro-Gly-Ala-Lys-NH <sub>2</sub> coupled to carrier protein.

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

<b>PEPTIDE:</b>	<b>%:</b>
Salusin- $\alpha$ (human)	100
Salusin- $\beta$ (human)	0

Typical titration curve of Salusin- $\alpha$  in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.01 to 10ng/ml
<b>Stock</b>	1000	
<b>S1</b>	10.00	Add 10 $\mu$ l Stock + 990 $\mu$ l diluent
<b>S2</b>	2.50	Add 100 $\mu$ l S1 + 300 $\mu$ l diluent
<b>S3</b>	0.63	Add 100 $\mu$ l S2 + 300 $\mu$ l diluent
<b>S4</b>	0.16	Add 100 $\mu$ l S3 + 300 $\mu$ l diluent
<b>S5</b>	0.04	Add 100 $\mu$ l S4 + 300 $\mu$ l diluent
<b>S6</b>	0.01	Add 100 $\mu$ l S5 + 300 $\mu$ l diluent
<b>S0</b>	0.00	300 $\mu$ l diluent

Related Products:

T-4812: Rabbit antiSalusin-  $\beta$  (hu), purified IgG  
 T-4795: Rabbit antiSalusin-  $\alpha$  (hu), neat antiserum  
 T-4811: Rabbit antiSalusin-  $\beta$  (hu), neat antiserum  
 T-4794: Rabbit antiSalusin-  $\alpha$  (hu), 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

1.3.2021