



BMA BIOMEDICALS



Peninsula Laboratories

Salusin- α (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- α and Salusin- β are related peptides produced from prosalusin. Salusins may be potent hypotensive peptides. Particularly, Salusin- α and Salusin- β 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- α coupled to a carrier protein.

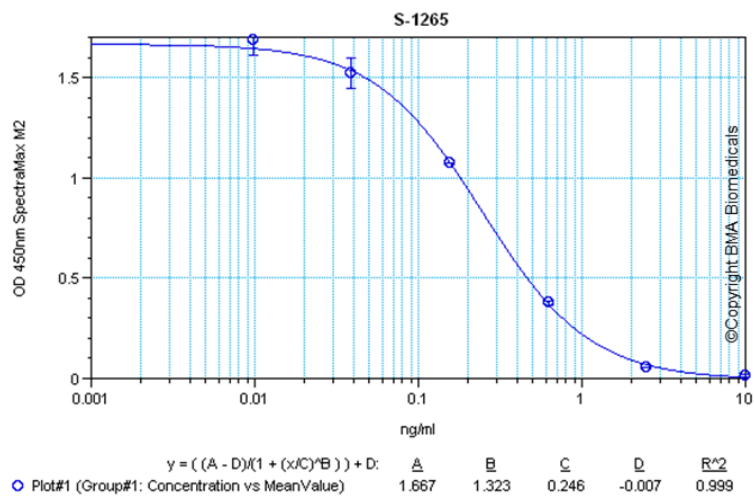
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product number:	S-1265
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 III. Please see www.bma.ch for protocols and general information.
Range:	0 - 10 ng/ml
Average IC₅₀:	0.4 ng/ml
Immunogen:	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 ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Salusin- α (human)	100
Salusin- β (human)	0

Typical titration curve of Salusin-α 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 100µl S1 + 300µl diluent
S3	0.63	Add 100µl S2 + 300µl diluent
S4	0.16	Add 100µl S3 + 300µl diluent
S5	0.04	Add 100µl S4 + 300µl diluent
S6	0.01	Add 100µl S5 + 300µl diluent
S0	0.00	300µl diluent

Related Products:

- T-4812: Rabbit anti Salusin- β, purified IgG, (hu)
- T-4795: Rabbit anti Salusin- α, neat antiserum, (hu)
- T-4811: Rabbit anti Salusin- β, neat antiserum, (hu)
- T-4794: Rabbit anti Salusin- α, purified IgG, (hu)

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