



BMA BIOMEDICALS



Peninsula Laboratories

S-1505

Apelin-36 (1-16) amide [Selective Apelin-36 Cutting and Amidation Peptide (SCNH2)] ELISA

Apelin-36 (1-16), also known as SCNH2 (selective apelin-36 cutting and amidation peptide) is highly expressed in human tumors and placenta and in mouse embryonic tissues. The peptide amide is mitogenic and chemotactic in normal and malignant cells and augments angiogenesis. Apelin-36 (1-16) is substantially more potent and sensitive than apelin-13 and vascular endothelial growth factor-A.

This ELISA was developed with serum from rabbits immunized with Apelin-36 (1-16) coupled to a carrier protein.

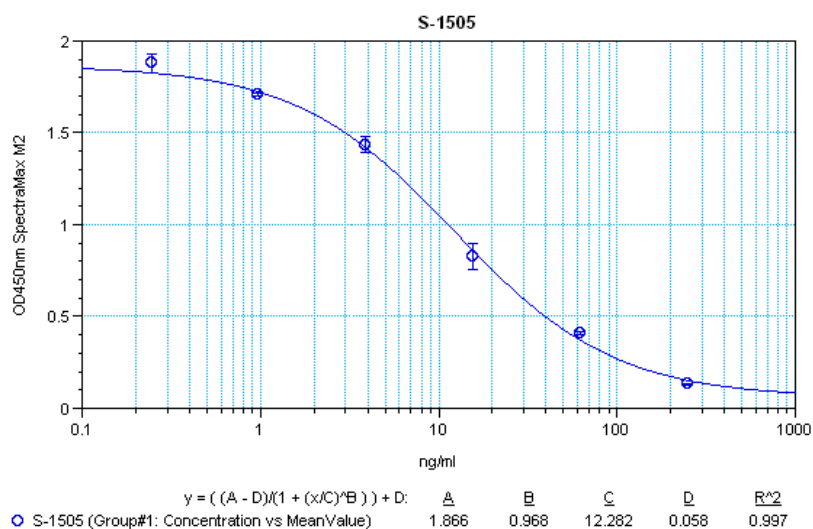
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A15459
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from production date. 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 (original protocol III, Std.Ab1hr.Bt). For research use only. Please see www.bma.ch for protocols and general information.
Range:	0-250ng/ml
Average IC50:	12ng/ml
Immunogen:	Synthetic peptide H-Leu-Val-Gln-Pro-Arg-Gly-Ser-Arg-Asn-Gly-Pro-Gly-Pro-Trp-Gln-Gly-NH2 coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Apelin-36 (1-16) NH2 (SCNH2)	100
(Pyr-1) Apelin-13	0
Apelin-13	0
Apelin-17	0

Typical titration curve of Apelin-36 (1-16) in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.24 to 250ng/ml
Stock	1000	
S1	250.00	Add 250µl Stock + 750µl diluent
S2	62.50	Add 200µl S1 + 600µl diluent
S3	15.63	Add 200µl S2 + 600µl diluent
S4	3.91	Add 200µl S3 + 600µl diluent
S5	0.98	Add 200µl S4 + 600µl diluent
S6	0.24	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products:

S-1531: ELISA, high sensitivity for extracted samples (36)(hu)
 S-1416: ELISA, high sensitivity for extracted samples (13) (hu)
 S-1445: ELISA, high sensitivity for extracted samples (Pyr1-13)
 T-4825: Rabbit anti Apelin-17, neat antiserum
 T-4824: Rabbit anti Apelin-17, purified IgG

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