



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1525

### Caerin 1.8 (*Litoria chloris*) ELISA [UniProt: P81251]

Caerin 1.8 is the amphibian host-defense peptide. It inhibits fibril formation of amyloid  $\beta$  1-42, the major precursor of the extracellular fibrillar deposits of Alzheimer's disease. Caerin 1.8 could also be involved in regulating the production and or localization of endogenous amyloid fibrils. It is known to be an antibacterial peptide, that adopts an alpha helical conformation which can disrupt bacterial membranes. Each caerin displays a different antimicrobial specificity.

This ELISA was developed with serum from rabbits immunized with Caerin 1.8 coupled to a carrier protein.

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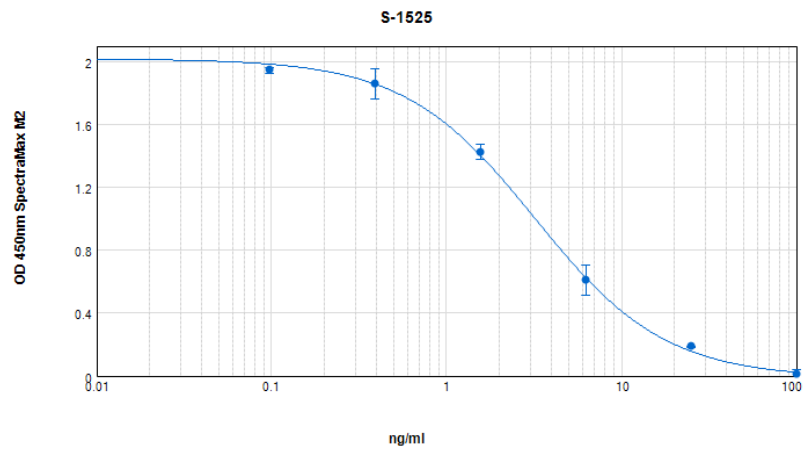
#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A16330
<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>	0-100ng/ml
<b>Average IC50:</b>	3.5ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Gly-Leu-Phe-Lys-Val-Leu-Gly-Ser-Val-Ala-Lys-His-Leu-Leu-Pro-His-Val-Val-Pro-Val-Ile-Ala-Glu-Lys-Leu-NH <sub>2</sub> coupled to carrier protein.

#### Cross-Reactivity:

PEPTIDE:	%:
Caerin 1.8	100

Typical titration curve of Caerin 1.8 in a competitive ELISA with this antibody:



<b>Suggested Preparation of Standards</b>		
	ng/ml	Range: 0.10 to 100ng/ml
<b>Stock</b>	1000	
<b>S1</b>	100.00	Add 100µl Stock + 900µl diluent
<b>S2</b>	25.00	Add 200µl S1 + 600µl diluent
<b>S3</b>	6.25	Add 200µl S2 + 600µl diluent
<b>S4</b>	1.56	Add 200µl S3 + 600µl diluent
<b>S5</b>	0.39	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.10	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

Related Products: T-4979: Rabbit anti Caerin 1.8, Lyophilized Antiserum for ELISA

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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

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