



BMA BIOMEDICALS



Peninsula Laboratories

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**S-1529**

## **Tylotoin (Tylototriton verruscus) ELISA**

Tylotoin is known to enhance the motility and proliferation of keratinocytes, vascular endothelial cells, and fibroblasts, accelerating re-epithelialization and granulation tissue formation in the wound site. It also promotes the release of transforming growth factor  $\beta$ 1 (TGF- $\beta$ 1) and interleukin 6 (IL-6), which are essential in the wound healing response. Gene-encoded tylotoin secreted in salamander skin is possibly an effector molecule for skin wound healing.

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

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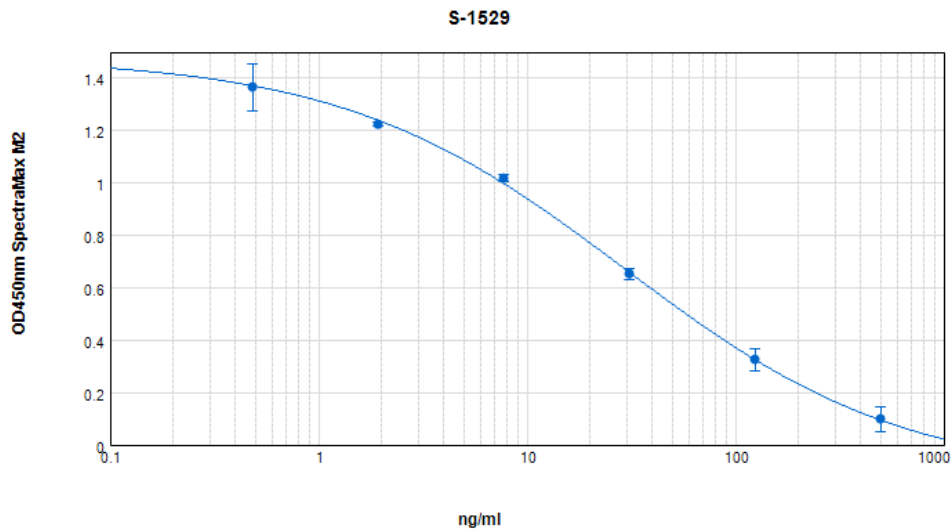
### **TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<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>	0-500ng/ml
<b>Average IC50:</b>	25ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Lys-(Cys-Val-Arg-Gln-Asn-Asn-Lys-Arg-Val-Cys)-Lys-OH coupled to carrier protein.

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

<b>PEPTIDE:</b>	<b>%:</b>
Tylotoin	100

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



<b>Suggested Preparation of Standards</b>		
	ng/ml	Range: 0.49 to 500ng/ml
<b>Stock</b>	1000	
<b>S1</b>	500.00	Add 250µl Stock + 250µl diluent
<b>S2</b>	125.00	Add 200µl S1 + 600µl diluent
<b>S3</b>	31.25	Add 200µl S2 + 600µl diluent
<b>S4</b>	7.81	Add 200µl S3 + 600µl diluent
<b>S5</b>	1.95	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.49	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

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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

1.03.2021