



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1503

### $\mu$ -SLPTX-Ssm6a ELISA

$\mu$ -SLPTX-Ssm6a (*Scolopendra subspinipes mutilans* 6) is a toxin from the venom of the Chinese red-headed centipede. It has strong analgesic properties, probably owing to its strong inhibitory effects on Nav1.7 channels. The mature form of Ssm6a is composed of 46 amino acids. It is the result of posttranslational modification of a prepropeptide. The prepropeptide is 112 amino acids long. The 21 N-terminal amino acids are related to a signal sequence, the 43 following amino acids are referred as a propeptide sequence. The 46 C-terminal amino acids are the Ssm6a peptide.

This ELISA was developed with serum from rabbits immunized with  $\mu$ -SLPTX-Ssm6a coupled to a carrier protein.

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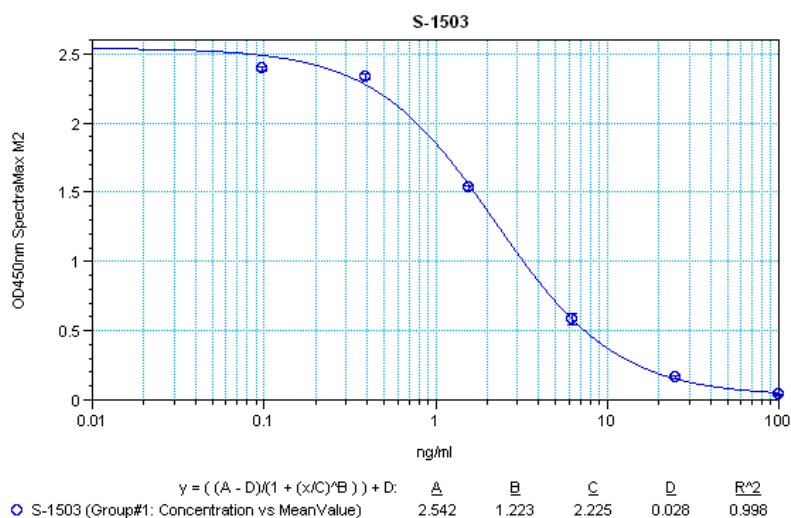
#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A14191
<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>	2ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Ala-Asp-Asn-Lys-Cys-Glu-Asn-Ser-Leu-Arg-Arg-Glu-Ile-Ala-Cys-Gly-Gln-Cys-Arg-Asp-Lys-Val-Lys-Thr-Asp-Gly-Tyr-Phe-Tyr-Glu-Cys-Cys-Thr-Ser-Asp-Ser-Thr-Phe-Lys-Lys-Cys-Gln-Asp-Leu-Leu-His-OH (3 disulfide bonds) coupled to carrier protein.

#### Cross-Reactivity:

PEPTIDE:	%:
$\mu$ -SLPTX-Ssm6a	100

Typical titration curve of  $\mu$ -SLPTX-Ssm6a in a competitive ELISA with this antibody:



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

1.3.2021