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BMA BIOMEDICALS



Peninsula Laboratories

μ-SLPTX-Ssm6a ELISA

μ-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 μ-SLPTX-Ssm6a coupled to a carrier protein.

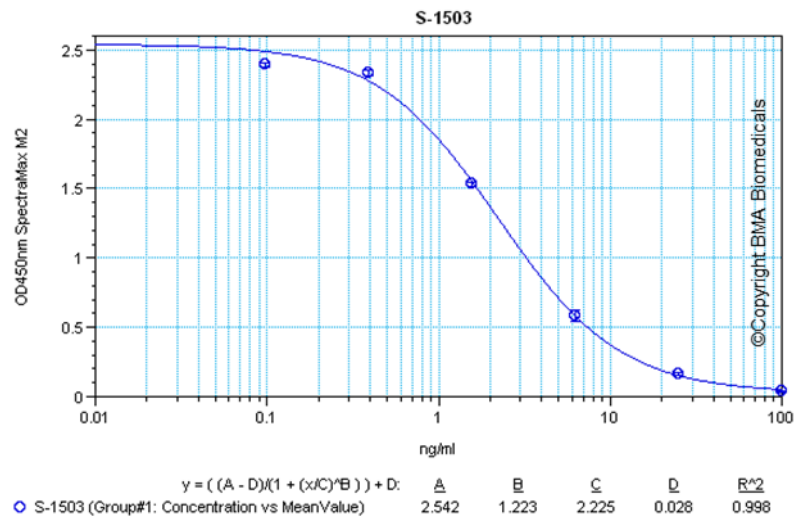
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product number:	S-1503 (Lot A14191)
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 - 1000 ng/ml
Average IC₅₀:	2.0 ng/ml
Immunogen:	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	%
μ-SLPTX-Ssm6a	100

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



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

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