



BMA BIOMEDICALS



Peninsula Laboratories

S-1499

Dermorphin ELISA [UniProt: P85887]

Dermorphin is a hepta-peptide, first isolated from the skin of South American frogs belonging to the genus Phyllomedusa. The peptide is a natural opioid that binds as an agonist with high potency and selectivity to mu Opioid receptors. Dermorphin is about 30–40 times more potent than morphine but theoretically may be less likely to produce drug tolerance and addiction (due to its high potency).

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

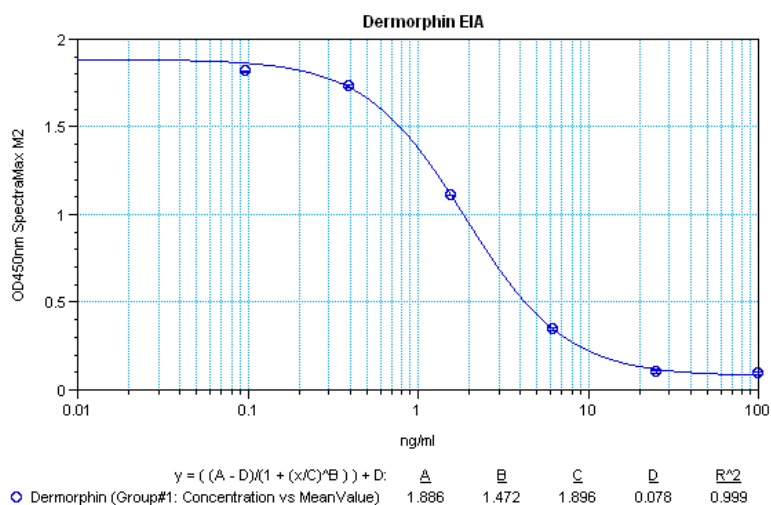
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A13139
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:	0-100ng/ml
Average IC50:	1.9ng/ml
Immunogen:	Synthetic peptide H-Tyr-D-Ala-Phe-Gly-Tyr-Pro-Ser-NH2 coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Dermorphin	100

Typical titration curve of Dermorphin 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. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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EIAH

1.3.2021