



BMA BIOMEDICALS



Peninsula Laboratories

S-1175

(Des-Gly¹⁰, D-Trp⁶, Pro-NHEt⁹)-LHRH (Deslorelin) ELISA

Deslorelin is a 9-amino acid synthetic peptide analogue of the natural gonadotrophin releasing hormone (GnRH). It binds with high affinity to the GnRH receptor on anterior pituitary cells, where it acts as an agonist. Deslorelin stimulates the secretion of LH and FSH from the anterior pituitary and it has potential therapeutic applications in the treatment of endometriosis, uterine leiomyoma (fibroids) as well as malignant neoplasms. Recently, Deslorelin has been used in veterinary medicine for various indications.

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

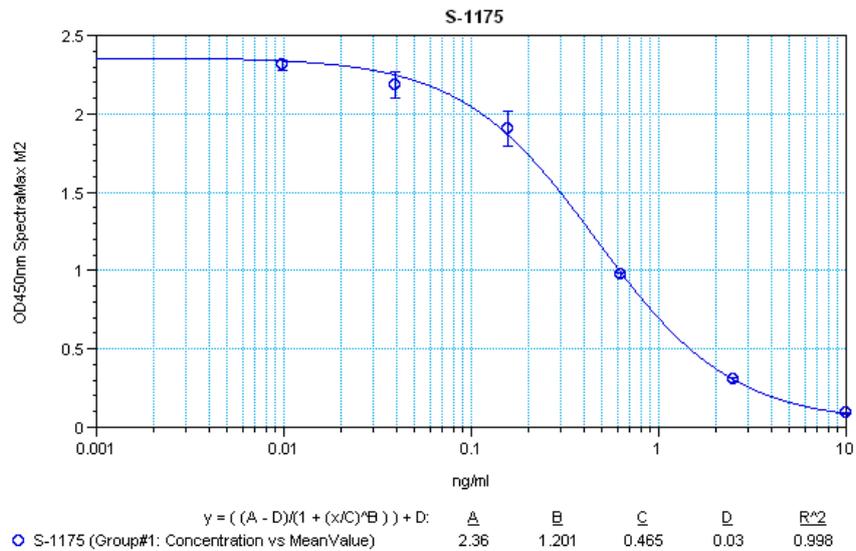
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A17922
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:	0-10ng/ml
Average IC₅₀:	0.4ng/ml
Immunogen:	Synthetic peptide Pyr-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-NHEt coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
(Des-Gly ¹⁰ , D-Trp ⁶ , Pro-NHEt ⁹)-LHRH (Deslorelin)	100
(Des-Gly ¹⁰ , D-Leu ⁶ , Pro-NHEt ⁹)-LHRH (Leuprolide)	100
LHRH	0
LHRH (lamprey)	0
LHRH (salmon)	0
LHRH (chicken)	0
[D-Ala ⁶]-LH-RH	0
[D-Phe ² , Pro ³ , D-Phe ⁶]-LH-RH	0
[D-Phe ^{1,2} , D-Trp ^{3,6}]-LH-RH	0

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



Suggested Preparation of Standards		
	ng/ml	Range: 0.01 to 10ng/ml
Stock	1000	
S1	10.00	Add 10µl Stock + 990µl diluent
S2	2.50	Add 200µl S1 + 600µl diluent
S3	0.63	Add 200µl S2 + 600µl diluent
S4	0.16	Add 200µl S3 + 600µl diluent
S5	0.04	Add 200µl S4 + 600µl diluent
S6	0.01	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products:

T-4066: Rabbit anti Deslorelin, neat antiserum

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