



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1303

### (Des-Gly10, D-Ser-(tBu)6, Pro-NHEt9) - LHRH (Buserelin) Elisa [UniProt: P22888]

(Des-Gly10, D-Ser-(tBu)6, Pro-NHEt9) - LHRH (Buserelin) is a synthetic peptide analog of the luteinizing hormone-releasing hormone (LHRH) agonist, which stimulates the pituitary gland's gonadotrophin-releasing hormone receptor (GnRHR). It is used in prostate cancer treatment.

This ELISA was developed with serum from rabbits immunized with (Des-Gly10, D-Ser-(tBu)6, Pro-NHEt9) - LHRH (Buserelin) coupled to a carrier protein.

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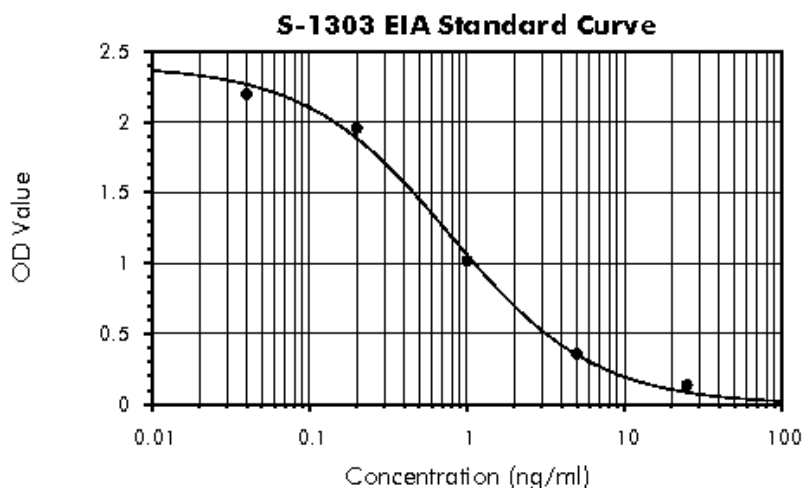
#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A17946
<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>	0-25ng/ml
<b>Average IC50:</b>	1ng/ml
<b>Immunogen:</b>	Synthetic peptide Pyr-His-Trp-Ser-Tyr-D-Ser(tBu)-Leu-Arg-Pro-NHEt coupled to carrier protein.

#### Cross-Reactivity:

PEPTIDE:	%:
Buserelin	100
Leuprolide	3
LHRH	2
Deslorelin	2
Histrelin	0

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



<b>Suggested Preparation of Standards</b>		
	ng/ml	Range: 0.02 to 25ng/ml
<b>Stock</b>	1000	
<b>S1</b>	25.00	Add 25µl Stock + 975µl diluent
<b>S2</b>	6.25	Add 200µl S1 + 600µl diluent
<b>S3</b>	1.56	Add 200µl S2 + 600µl diluent
<b>S4</b>	0.39	Add 200µl S3 + 600µl diluent
<b>S5</b>	0.10	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.02	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

Related Products: T-4855: anti Buserelin, purified IgG

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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

17.6.2020