



BMA BIOMEDICALS



Peninsula Laboratories

S-1293

(D-Ser-(tBu)6, Azagly10) - LHRH (Goserelin) ELISA

Goserelin is a decapeptide analogue of gonadotropin releasing hormone agonist (GnRH). It is known to be used to suppress production of the sex hormones (testosterone and estrogen), particularly in the treatment of breast and prostate cancer. Goserelin stimulates the production of the sex hormones testosterone and estrogen in a non-pulsatile (non-physiological) manner. This causes the disruption of the endogenous hormonal feedback systems, resulting in the down-regulation of testosterone and estrogen production.

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

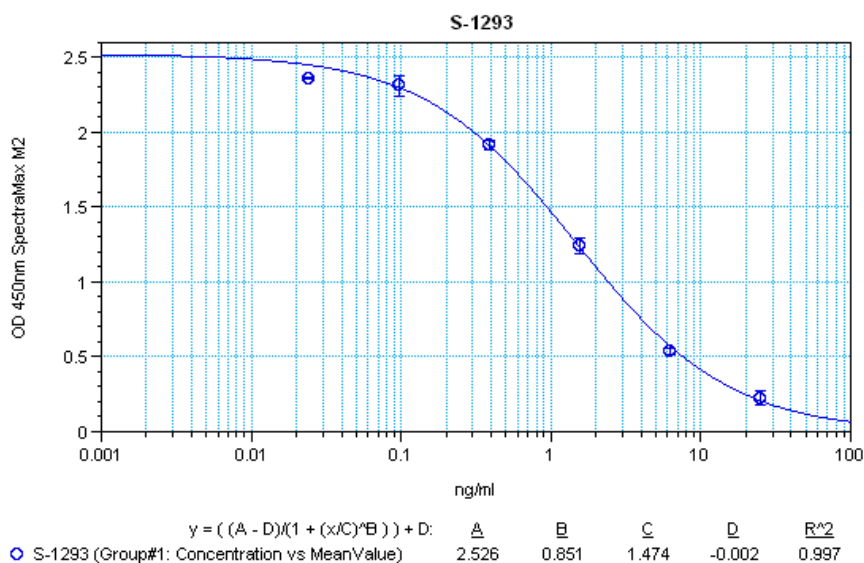
TECHNICAL AND ANALYTICAL CHARACTERISTICS

- Lot number:** A14772
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: 0-25ng/ml
Average IC50: 1.5ng/ml
Immunogen: Synthetic peptide Pyr-His-Trp-Ser-Tyr-D-Ser(tBu)-Leu-Arg-Pro-Azagly-NH2 coupled to carrier protein.

Cross-Reactivity:

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

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



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

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