



BMA BIOMEDICALS



Peninsula Laboratories

Prolactin-Releasing Peptide (1-31) (PrRP-31) (human) ELISA

Prolactin Releasing Peptide is a hypothalamic peptide hormone that stimulates prolactin release, and regulates prolactin expression, by binding to prolactin releasing peptide receptor (GPR10). It has stimulatory effects on both luteinizing hormone and follicle stimulating hormone.

This ELISA was developed with serum from rabbits immunized with Prolactin-Releasing Peptide (1-31) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

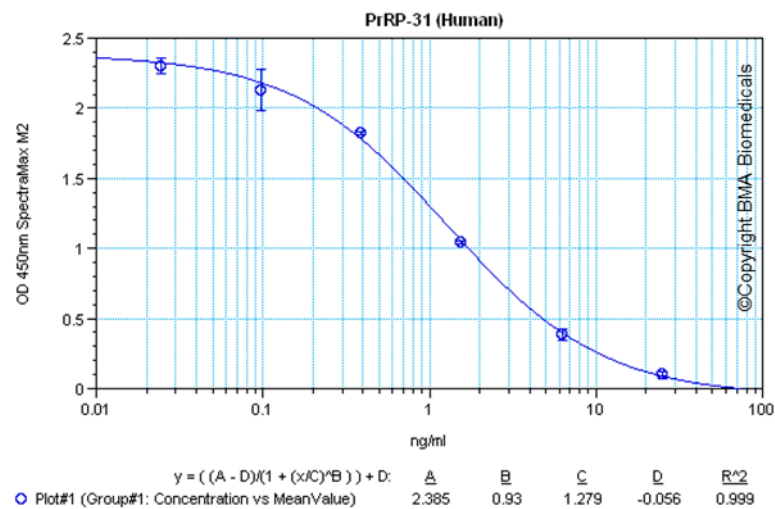
Product number:	S-1408 (Lot A17054)
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from date of purchase. Store refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples, following protocol III. Please see www.bma.ch for protocols and general information.
Range:	0 - 25 ng/ml
Average IC₅₀:	2.0 ng/ml
Immunogen:	Synthetic peptide H-Ser-Arg-Ala-His-Gln-His-Ser-Met-Glu-Thr-Arg-Thr-Pro-Asp-Ile-Asn-Pro-Ala-Trp-Tyr-Thr-Gly-Arg-Gly-Ile-Arg-Pro-Val-Gly-Arg-Phe-NH ₂ coupled to carrier protein.

Protein database: [human-P81277](#)

Cross-Reactivity:

PEPTIDE	%
Prolactin-Releasing Peptide (1-31) (human)	100
Prolactin-Releasing Peptide (1-31) (PrRP-31) (rat)	100
Prolactin-Releasing Peptide (12-31) (PrRP-20) (human)	100
Prolactin-Releasing Peptide (1-31) (PrRP-31) (bovine)	100

Typical titration curve of Prolactin-Releasing Peptide (1-31) 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

Related Products:

- S-1314: ELISA, high sensitivity for extracted samples (PrRP 12-31), (hu)
- S-1407: ELISA, high sensitivity for extracted samples (PrRP 1-31), (rt)

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