



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti (Des-Gly¹⁰, D-Leu⁶, Pro-NHET⁹)-LHRH (Leuprolide)

Leuprolide is a synthetic nonapeptide analogue of gonadotropin-releasing hormone, used to treat prostate cancer, breast cancer, endometriosis, uterine fibroids, and early puberty. Leuprolide binds to and activates gonadotropin-releasing hormone (GnRH) receptors. Agonism of GnRH receptors initially results in the stimulation of luteinizing hormone (LH) and follicle-stimulating hormone (FSH) secretion by the anterior pituitary ultimately leading to increased serum estradiol and testosterone levels via the normal physiology of the hypothalamic–pituitary–gonadal axis.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4063 (Lot 000218-1)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Reconstitute by adding 1.0 ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide Pyr-His-Trp-Ser-Tyr-D-Leu-Leu-Arg-Pro-NHET coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
(Des-Gly ¹⁰ , D-Leu ⁶ , Pro-NHET ⁹)-LHRH (Leuprolide)	100
(Des-Gly ¹⁰ , D-Trp ⁶ , Pro-NHET ⁹)-LHRH (Deslorelin)	100
LHRH	0
LHRH (lamprey)	0

Cross-Reactivity:

PEPTIDE	%
LHRH (salmon)	0
LHRH (Chicken)	0
(D-Ala ⁶)-LHRH	0
(D-Phe ² , Pro ³ , D-Phe ⁶)-LHRH	0
(D-Phe ^{1,2} , D-Trp ^{3,6})-LHRH	0
Goserelin	0

Applications:

Tested in ELISA against Leuprolide. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well.

Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

Related Products:

S-1144: ELISA extraction-free for human serum samples

S-1159: ELISA extraction-free for rat serum samples

S-1174: ELISA high sensitivity for extracted samples

S-1472: ELISA extraction-free for mouse serum samples

T-4064: Rabbit anti Leuprolide, neat antiserum

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