



BMA BIOMEDICALS



Peninsula Laboratories

T-4063

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

Lot number:	000218-1
Host species:	Rabbit IgG
Quantity:	50ml
Format:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the 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. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated 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 www.bma.ch for protocols and general information.
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
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

Related Products:

S-1174: ELISA, high sensitivity for extracted samples
T-4064: anti Leuprolide, neat antiserum
S-1144: ELISA, extraction-free for human serum samples
S-1159: ELISA, extraction-free for rat serum samples
S-1472: ELISA, extraction-free for mouse serum samples

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.

T-4063

diluted antiserum

19.8.2020