

Product datasheet for **TA363918**

Leuprolide Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	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.
Reactivity:	Human, Mammalian
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide Pyr-His-Trp-Ser-Tyr-D-Leu-Leu-Arg-Pro-NHEt coupled to carrier protein.
Formulation:	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% Na ₃ N, and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	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.
Background:	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.



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