

Product datasheet for **AP09728PU-L**

Gestrinone Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	ELISA: 0.039 µg/ml.
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Gestrinone-BTG
Specificity:	This antibody recognizes Gestrinone.
Formulation:	20mM Phosphate, 150mM Sodium Chloride, pH 7.2 containing 0.09% Sodium Azide as preservative. State: Ig Fraction State: Liquid Ig fraction prepared by Caprylic Acid and Ammonium Sulphate precipitation procedures.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	Endometriosis is common disease characterized by the presence of endometrial tissue outside the uterus which affects approximately 10% of premenopausal women. Gestrinone is a synthetic steroid used occasionally to treat endometriosis.(1) It acts centrally on the hypothalamic-pituitary system to suppress release of lutenizing hormone (LH) and follicle-stimulating hormone (FSH), thus reducing estrogen synthesis.(1) It also binds to androgen (AR), progesterone (PR), and estrogen (ER) receptors in the human endometrial tissue but not to steroid hormone binding globulin or corticoid-binding globulin.(2) Gestrinone binds to AR and PR with EC50 values of approximately 20 and 30 nM, respectively.(3) These values reflect approximately 5-6 fold lower affinity than testosterone and progesterone, the natural AR and PR ligands, for these receptors.(3)



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Synonyms: Dimetriose, Dimetrose, Nemestran, Gestrigone, Tridomose, Ethylnorgestrienone, Gestrinonum