

Product datasheet for **AM32064PU-N**

GNRHR Mouse Monoclonal Antibody [Clone ID: F1G4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	F1G4
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Flow Cytometry. Western Blot: 1-2 µg/ml Immunohistochemistry on Frozen Sections: The Monoclonal antibody <i>F1G4</i> specifically stains Human GnRH receptors on frozen tissue of the anterior pituitary. The mAb has been found to react with T47D breast carcinoma cells.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Mice were immunized with a BSA-conjugated peptide corresponding to amino acids 1-29 of Human GnRH receptor extracellular domain. Splenocytes were fused with SP2/0 mouse myeloma cells. Stability was established by subcloning four times.
Specificity:	This Monoclonal antibody <i>F1G4</i> reacts with GnRH receptors in the anterior pituitary. <i>F1G4</i> showed specificity for the synthetic peptide in ELISA and Dot blot .
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name: gonadotropin releasing hormone receptor

Database Link: [Entrez Gene 2798 Human P30968](#)

Background: Gonadotropin Releasing Hormone (GnRH) is down-regulated by hCG and believed to be an autocrine factor that regulates the ovary. The Gonadotropin Releasing Hormone Receptor (GnRHR) is synthesized in the pituitary gland. GnRH stimulates the gonadotrophs of the anterior pituitary to secrete luteinising hormone (LH) as well as follicle-stimulating hormone (FSH). The receptor contains of seven hydrophobic transmembrane domains connected by hydrophilic extracellular, and intracellular loops characteristic of G-protein coupled receptors.

Synonyms: Gonadotropin-releasing hormone receptor, GnRH-R, GRHR