

Product datasheet for **BM582S**

GNRHR Mouse Monoclonal Antibody [Clone ID: A9E4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	A9E4
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot. Flow Cytometry. Immunohistochemistry on Frozen Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide corresponding to the amino acids 1-29 of the Human GnRH receptor extracellular domain conjugated to BSA. Splenocytes were fused with SP2/0 mouse myeloma cells. Stability was established by subcloning four times.
Specificity:	This Monoclonal antibody <i>A9E4</i> reacts with GnRH receptors in the anterior pituitary. <i>A9E4</i> showed specificity for the synthetic peptide in ELISA and Dot blot , it has a higher affinity for the antigen than the GnRH receptor antibody clone <i>F1G4</i> (Cat.-No. AM32064PU-N). <i>A9E4</i> specifically stains human GnRH receptors on frozen tissue of the anterior pituitary. Recognition was supported by Western blotting .
Formulation:	PBS State: Purified State: Liquid purified IgG 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) receptor is a protein of 54-60 kDa. GnRH receptor contains seven hydrophobic transmembrane domains connected by hydrophilic extracellular and intracellular loops characteristic of G-protein coupled receptors. GnRH stimulates the gonadotrophs of the anterior pituitary to secrete luteinizing hormone (LH) as well as follicle-stimulated 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