

Anti-GnRH Receptor, Clone F1G4, Monoclonal Antibody

Catalog No. MON8056 **Quantity:** 100 µg

Specificity: F1G4 reacts with GnRH receptors in the anterior pituitary. GnRH stimulates the gonadotrophs of the anterior pituitary to secrete luteinizing hormone (LH) as well as follicle-stimulating hormone (FSH). The receptor contains seven hydrophobic transmembrane domains connected by hydrophilic extracellular, and intracellular loops characteristic of G-protein coupled receptors.

Host: Mouse

Antigen: Mice were immunized with a BSA-conjugated peptide corresponding to amino acids 1-29 (MANSASPEQNQHCSAINNSIPLMQGNLPY) of human GnRH receptor extracellular domain.

Isotype: Mouse IgG₁

Clone: F1G4

Applications: The monoclonal antibody, clone F1G4, showed specificity for the synthetic peptide in ELISA and dotblot. The mAb F1G4 specifically stains human GnRH receptors on frozen tissue immunocytochemistry of the anterior pituitary. Recognition was supported by Western blotting. The antibody may also be used for Flow Cytometry with the appropriate labeled secondary antibody. The optimal antibody concentration should be determined for each specific application.

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Cell Sciences, Inc.
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Web site: www.cellsciences.com