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Product Information

Recombinant Anti-Human gnrhr Antibody Fab Fragment

Cat. No.: **MOM-18371-F(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment is specific to Human GNRHR, expressed in E. coli

Antigen Description

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. Activin A has been shown to stimulate the synthesis of GnRHR, illustrating a possible mechanism for the modulation of gonadotropin responsiveness to GnRH.

Specific Activity

Tested positive against native antigen.

Target

GNRHR

Immunogen

Synthetic peptide: MANSASPEQNQHCSAINNSIPLMQGNLPY conjugated to BSA, corresponding to N terminal amino acids 1-29 of Human GnRHRMANSASPEQNQHCSAINNSIPLMQGNLPY

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

E. coli

Purity

>95.0% as determined by Analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store at 4°C for up to 3 months. For longer term storage aliquot into small volumes and store at -20°C.

ANTIGEN GENE INFOMATION

Gene Name

GNRHR gonadotropin-releasing hormone receptor [Homo sapiens]

Official Symbol

GNRHR

Synonyms

GNRHR; gonadotropin-releasing hormone receptor; GRHR; LHRHR; gnRH-R; gnRH receptor; luliberin receptor; type I GnRH receptor; leutinizing-releasing hormone receptor; leutinizing hormone releasing horomone receptor; gonadotropin-releasing hormone (type 1) receptor 1; LRHR; GNRHR1

Gene ID

2798

mRNA Refseq

NM_000406

Protein Refseq

NP_000397

MIM

138850

UniProt ID

P30968

Chromosome Location

4q21.2

Pathway

Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Other, organism-specific biosystem; GnRH signaling pathway, organism-specific biosystem; GnRH signaling pathway, conserved biosystem;

Function

gonadotropin-releasing hormone receptor activity; growth hormone-releasing hormone receptor activity; receptor activity; signal transducer activity;

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