

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human FSH R in direct ELISAs. |
| Source | Monoclonal Mouse IgG _{2A} Clone # 626717 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | NS0 mouse myeloma cell line transfected with human FSH R Accession # M65085 |
| Conjugate | Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm |
| Formulation | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

| | Recommended Concentration | Sample |
|-----------------------|----------------------------------|--|
| Flow Cytometry | 0.25-1 µg/mL | HEK293 Human Cell Line Transfected with Human FSH R and eGFP |

PREPARATION AND STORAGE

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| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

Follicle stimulating hormone receptor (FSH R), also called follitropin receptor or LGR1, is a 695 amino acid (aa), ~87 kDa 7-transmembrane receptor of the leucine-rich repeat glycoprotein hormone receptor subfamily of GPCRs. It is expressed by ovarian granulosa cells and is essential for ovarian follicle maturation. In the male, it is expressed by Sertoli cells and plays a minor role in male fertility. Human FSH R shares 86% aa sequence identity with mouse and rat FSH R within the 349 aa N-terminal extracellular domain. A 754 aa isoform contains an inserted sequence at aa 75.

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