

**R&D Systems** 

Tools for Cell Biology Research™

# Human FSH R APC-conjugated Antibody Monoclonal Mouse IgG<sub>2A</sub> Clone # 626717

Catalog Number: FAB65591A

100 TESTS

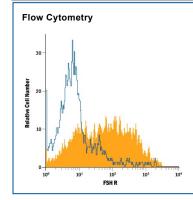
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human FSH R in direct ELISAs.		
Source	Monoclonal Mouse IgG <sub>2A</sub> Clone # 626717		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	NS0 mouse myeloma cell line transfected with human FSH R Accession # M65085		
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm		
Formulation	Supplied 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**

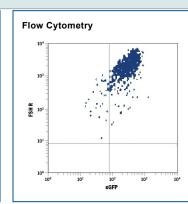
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	10 μL/10 <sup>6</sup> cells	See Below

#### DATA



Detection of FSH R in OVCAR-3 Human Cell Line by Flow Cytometry. OVCAR-3 human ovarian carcinoma cell line was stained with Mouse Anti-Human FSH R APC-conjugated Monoclonal Antibody (Catalog # FAB65591A, filled histogram) or isotype control antibody (Catalog # IC003A open histogram). View our protocol for Staining Membrane-associated Proteins



Detection of FSH R in HEK293 Human Cell Line Transfected with Human FSH R and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human FSH R and eGFP was stained with Mouse Anti-Human FSH R APCconjugated Monoclonal Antibody (Catalog # FAB65591A). Quadrant markers were set based on control antibody staining (Catalog # IC003A). View our protocol for Staining Membrane-associated Proteins.

## PREPARATION AND STORAGE

The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below Shipping

Stability & Storage

Protect from light. Do not freeze

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 leucinerich 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.

