DATASHEET

FSH Mouse Monoclonal Antibody(ARA506)

CAT. NO. ARA5830

KEY FEATURES

Target	FSH	**Source/Host**	Mouse
Reactivity	Human	**Clonality**	Monoclonal
Applications	ELISA,ICA,CLIA	**Conjugation**	Unconjugated
Isotype	IgG1	**Storage**	at -20°C

BACKGROUND

Follicle-stimulating hormone (FSH) is a member of the pituitary glycoprotein hormone family, which also includes luteinizing hormone, chorionic gonadotropin and thyroid-stimulating hormone. All of these glycoproteins consist of an identical alpha subunit and a hormone-specific beta subunit, and the beta subunit encoded by FSHB confers the biological specificity of FSH. FSH is secreted by gonadotrope cells of the anterior pituitary and, in conjunction with luteinizing hormone, induces egg and sperm production. Acting through the G protein-coupled FSH receptor, FSH drives ovarian follicle development and estrogen biosynthesis by granulosa cells in females and supports spermatogenesis in males. Variants in FSHB have been associated with polycystic ovary syndrome, altered serum FSH levels and isolated FSH deficiency. Alternative splicing results in transcript variants that encode the same protein. Both native and recombinant FSH are widely measured as analytes in fertility-related immunoassays.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

ELISA	Assay-dependent
ICA	Assay-dependent
CLIA	Assay-dependent

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Mouse monoclonal capture antibody to FSH
Specificity	Recognizes native and recombinant human FSH protein.
Antibody Type	Primary antibody
Immunogen	Recombinant protein of human FSH.
Purification	The antibody was purified by immunogen affinity chromatography.
Isotype	IgG1
Form/Buffer	Liquid in PBS, pH 7.4, 0.05% Proclin 300.
Alternative Names	Follitropin subunit beta; Follicle-stimulating hormone beta subunit; FSH-B; FSH-beta; Follitropin beta chain
Gene Symbol	FSHB
Entrez Gene	2488
SwissProt	P01225

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com