SANTA CRUZ BIOTECHNOLOGY, INC.

FSHα (ME.111): sc-57149

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Follicle-stimulating hormone (FSH), also called follitropin, belongs to the family of glycoprotein hormones that also includes luteininizing hormone and thyroid-stimulating hormone. These hormones are secreted by the pituitary and exist as heterodimers, consisting of a common α subunit and a homologous but distinct β subunit. While the α subunit of FSH is involved in the binding of FSH to the receptor (follicle-stimulating hormone receptor, also known as FSHR), the β subunit stabilizes this interaction. This heterodimer regulates a variety of processes including secretion, posttranslational modification and signal transduction. Both FSH and FSHR are localized to Sertoli cells.

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CHROMOSOMAL LOCATION

Genetic locus: FSHB (human) mapping to 11p14.1.

SOURCE

FSHα (ME.111) is a mouse monoclonal antibody raised against FSHα of human origin.

PRODUCT

Each vial contains 100 µg IgG_1 in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

FSHα (ME.111) is recommended for detection of FSHα of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of FSHα: 13 kDa.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.