Rat Follicle Stimulating Hormone (FSH) ELISA Kit | FSH elisa kit

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CATALOG #	REACTIVITY
AAA20551	**Rat**

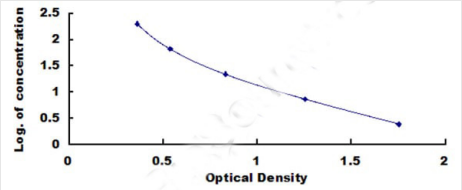
PRODUCT SYNONYMS

Follicle Stimulating Hormone (FSH); Rat Follicle Stimulating Hormone (FSH) ELISA Kit; FSH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FSH. No significant cross-reactivity or interference between FSH and analogues was observed.
Sequence Length	129
Assay Type	Quantitative Competitive
Samples	Rat serum, plasma and other biological fluids
Detection Range	2.47-200ng/mL
Sensitivity	< 0.94ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FSH were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FSH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Typical Standard Curve for FSH, Rat ELISA.

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FSH elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to FSH has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled FSH and unlabeled FSH (Standards or samples) with the pre-coated antibody specific to FSH. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of FSH in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of FSH in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of FSH in rat serum, plasma and other biological fluids.
Product Categories/Family for FSH elisa kit	Endocrinology; Reproductive science; Genetic science; Hormone metabolism
References	Physiological and Histological Study of the Therapeutic Effect of Silibinin on Testicular Alteration in Adult Male Albino Rats; Indian Journal of Pharmaceutical Sciences; 2023:85(1) Spl Issue “1-14”; Sahar J. Melebary; Department of Biology, College of Science, University of Jeddah, Jeddah 21493, Saudi Arabia E-mail: sjmelebary@uj.edu.sa

NCBI AND UNIPROT INFORMATION

NCBI GI #	182762
NCBI GeneID	2488
UniProt Accession #	P01225; Q14D61; A2TF08; A5JVV3
Molecular Weight	14,700 Da
NCBI Official Full Name	follicle-stimulating hormone
NCBI Official Synonym Full Names	follicle stimulating hormone, beta polypeptide
NCBI Official Symbol	FSHB
NCBI Official Synonym Symbols	HH24
NCBI Protein Information	follitropin subunit beta
UniProt Protein Name	Follitropin subunit beta
UniProt Gene Name	**FSHB**
UniProt Synonym Gene Names	FSH-B; FSH-beta
UniProt Entry Name	FSHB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/rat-elisa-kits/follicle-stimulating-hormone-fsh/20551