

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

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CATALOG #
AAA189693

REACTIVITY
Mouse

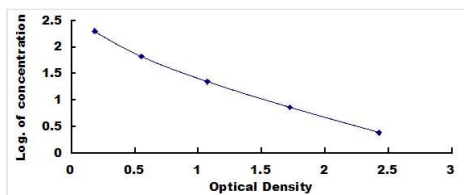
PRODUCT SYNONYMS

Follicle Stimulating Hormone (FSH); Mouse Follicle Stimulating Hormone (FSH) ELISA Kit; FSH/Follicle Stimulating Hormone; FSH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Assay Type	Quantitative Competitive
Samples	Mouse serum, plasma and other biological fluids
Detection Range	2.47-200ng/mL
Sensitivity	< 0.88ng/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	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months 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



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. An 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 mouse serum, plasma and other biological fluids.
Product Categories/Family for FSH elisa kit	Endocrinology; Reproductive science; Genetic science; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753414
NCBI GeneID	12640
NCBI Accession #	NP_034019.1
NCBI GenBank Nucleotide #	NM_009889.2
UniProt Accession #	P01216; P11963; Q5M8P4
Molecular Weight	13,565 Da
NCBI Official Full Name	glycoprotein hormones alpha chain
NCBI Official Synonym Full Names	glycoprotein hormones, alpha subunit
NCBI Official Symbol	Cga
NCBI Official Synonym Symbols	HCG; LHA; FSHA; Tsha; aGSU; GPHA1; alphaSU; CG-alpha; GPHalpha; alphaGSU; alpha-GSU
NCBI Protein Information	glycoprotein hormones alpha chain; FSH-alpha; LSH-alpha; TSH-alpha; anterior pituitary glycoprotein hormones common subunit alpha; follicle-stimulating hormone alpha chain; follitropin alpha chain; luteinizing hormone alpha chain; lutropin alpha chain; th
UniProt Protein Name	Glycoprotein hormones alpha chain
UniProt Gene Name	Cga
UniProt Synonym Gene Names	FSH-alpha; LSH-alpha; TSH-alpha
UniProt Entry Name	GLHA_MOUSE

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.