

Mouse Follicle Stimulating Hormone (FSH) CLIA Kit | FSH clia kit

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CATALOG # AAA188429	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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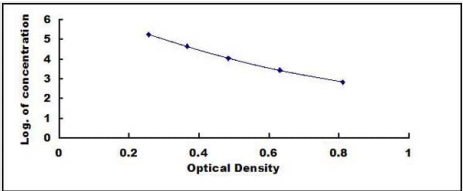
PRODUCT SYNONYMS

Follicle Stimulating Hormone (FSH); Mouse Follicle Stimulating Hormone (FSH) CLIA Kit; Follicle Stimulating Hormone; FSH clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Follicle Stimulating Hormone (FSH). No significant cross-reactivity or interference between Follicle Stimulating Hormone (FSH) and analogues was observed.
Sequence Length	120
Assay Type	Competitive Inhibition
Samples	Serum, plasma and other biological fluids
Detection Range	703.1-180,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 284.3pg/mL
Applicable Applications for FSH clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Follicle Stimulating Hormone (FSH) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Follicle Stimulating Hormone (FSH) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Follicle Stimulating Hormone (FSH). A competitive inhibition reaction is launched between biotin labeled Follicle Stimulating Hormone (FSH) and unlabeled Follicle Stimulating Hormone (FSH) (Standards or samples) with the pre-coated antibody specific to Follicle Stimulating Hormone (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 Follicle Stimulating Hormone (FSH) in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the Follicle Stimulating Hormone (FSH) level in the sample or standard.
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



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753414
NCBI GeneID	12640
NCBI Accession #	NP_034019.1
NCBI GenBank Nucleotide #	NP_034019.1
UniProt Accession #	P01216
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; GPAlpha; alphaGSU; alpha-GSU
NCBI Protein Information	glycoprotein hormones alpha chain
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.