

Mouse Luteinizing Hormone (LH) ELISA Kit | LH elisa kit

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CATALOG #
AAA149038

REACTIVITY
Mouse

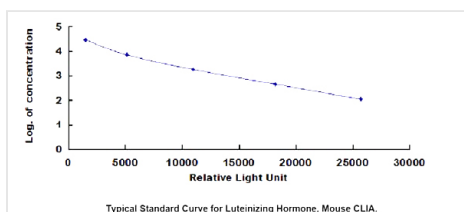
PRODUCT SYNONYMS

Luteinizing Hormone (LH); Mouse Luteinizing Hormone (LH) ELISA Kit; ICSH; Lutropin; Interstitial Cell Stimulating Hormone; LH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of luteinizing hormone. No significant cross-reactivity or interference between luteinizing hormone and analogues was observed.
Sequence Length	5
Assay Type	Quantitative Competitive
Samples	Mouse serum, plasma and other biological fluids
Detection Range	117.19-30,000pg/mL
Sensitivity	< 59.35pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level luteinizing hormone 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 luteinizing hormone 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



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LH elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to luteinizing hormone. A competitive inhibition reaction is launched between biotin labeled luteinizing hormone and unlabeled luteinizing hormone (Standards or samples) with the pre-coated antibody specific to luteinizing hormone. 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 luteinizing hormone 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 luteinizing hormone level in the sample or standard. Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of luteinizing hormone in mouse serum, plasma and other biological fluids.
Product Categories/Family for LH elisa kit	Endocrinology; Reproductive science; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4262812
NCBI GeneID	3972
Molecular Weight	15,345 Da
NCBI Official Full Name	luteinizing hormone beta subunit (LHbeta), partial
NCBI Official Synonym Full Names	luteinizing hormone beta polypeptide
NCBI Official Symbol	LHB
NCBI Official Synonym Symbols	CGB4; HH23; LSH-B; LSH-beta
NCBI Protein Information	lutropin subunit beta
UniProt Protein Name	Lutropin subunit beta
UniProt Gene Name	LHB
UniProt Synonym Gene Names	Lutropin beta chain; LH-B; LSH-B; LSH-beta

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/mouse-elisa-kits/luteinizing-hormone-lh/149038>