

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

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CATALOG #
AAA20334

REACTIVITY
Mouse

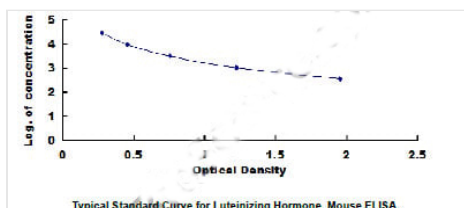
PRODUCT SYNONYMS

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.
Assay Type	Quantitative Competitive
Samples	Mouse serum, plasma and other biological fluids
Detection Range	370.4-30,000pg/mL
Sensitivity	< 149.7pg/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: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to luteinizing hormone has been pre-coated onto a microplate. 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. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of luteinizing hormone in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro 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
References	Adeno-associated-virus-mediated gene delivery to ovaries restores fertility in congenital infertile mice; Cell Rep Med; 2022 May 17;3(5):100606.; PMID: 35584625; Mito Kanatsu-Shinohara; Department of Molecular Genetics, Graduate School of Medicine, Kyoto University, Kyoto 606-8501, Japan; AMED-CREST, Chiyoda-ku, Tokyo 100-0004, Japan.

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/20334>