

Luteinizing Hormone ELISA Kit | LH elisa kit

Luteinizing Hormone (LH)

CATALOG #
AAA77867

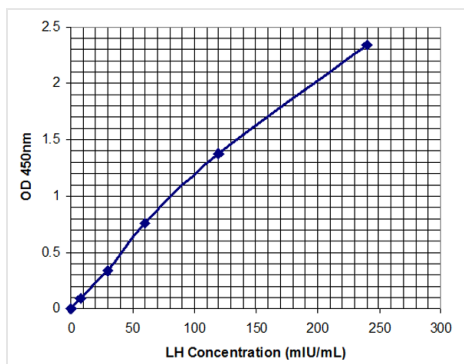
PRODUCT SYNONYMS

Luteinizing Hormone; Luteinizing Hormone (LH); LH elisa kit

PRODUCT SPECIFICATIONS

Specificity	This kit exhibits no detectable cross reaction with human; FSH, TSH, Prolactin, or GH. But there is cross reaction with hCG in this assay. After pregnancy hCG levels are elevated, therefore the use of LH ELISA Kit is not recommended during pregnancy or immediately post-parturition.
Samples	Serum
Assay Type	Sandwich
Sensitivity	The minimal detectable concentration of LH by this assay is estimated to be 3 mIU/ml.
Intended Uses	This Human LH ELISA Kit is to be used for the in vitro quantitative determination of human luteinizing hormone (LH) concentrations in serum. This kit is intended FOR LABORATORY RESEARCH USE ONLY and is not for use in therapeutic procedures.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LH elisa kit	Principle of the assay: This LH enzyme linked immunosorbent assay (ELISA) applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been precoated with a monoclonal antibody specific for LH. Standards or samples are then added to the microtiter plate wells and LH if present, will bind to the antibody pre-coated on the wells. In order to quantitate the amount of LH present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated monoclonal antibody, specific for LH are added to each well to "sandwich" the LH immobilized on the plate. The microtiter plate undergoes incubation, then the wells are thoroughly washed to remove all unbound components. Next, a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain LH and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm. In order to measure the concentration of LH in the sample, this Human LH ELISA Kit includes a set of calibration standards (6 standards). The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density (O.D.) versus LH concentration (mIU/mL). The concentration of LH in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LH elisa kit	ELISA Kits for Human Hormones

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/lh-elisa-kits/luteinizing-hormone/77867>