

Human Luteinizing Hormone Beta Polypeptide ELISA Kit | LHb elisa kit

Human Luteinizing Hormone Beta Polypeptide (LHb) ELISA Kit

CATALOG #
AAA145521

REACTIVITY
Human

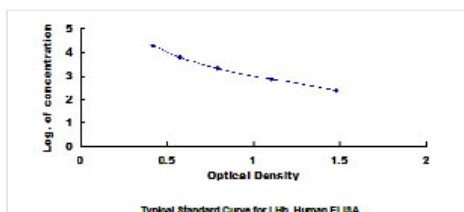
PRODUCT SYNONYMS

Luteinizing Hormone Beta Polypeptide; Human Luteinizing Hormone Beta Polypeptide (LHb) ELISA Kit; LH-B; CGB4; LSH-B; hLHB; Lutropin Subunit Beta; Interstitial Cell Stimulating Hormone; Beta Chain; LHb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Luteinizing Hormone Beta Polypeptide (LHb). No significant cross-reactivity or interference between Luteinizing Hormone Beta Polypeptide (LHb) and analogues was observed.
Sequence Length	141
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	246.91-20000pg/mL
Sensitivity	90.4pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Luteinizing Hormone Beta Polypeptide (LHb) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Luteinizing Hormone Beta Polypeptide (LHb) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 LHb elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Luteinizing Hormone Beta Polypeptide (LHb) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Luteinizing Hormone Beta Polypeptide (LHb) and unlabeled Luteinizing Hormone Beta Polypeptide (LHb) (Standards or samples) with the pre-coated antibody specific to Luteinizing Hormone Beta Polypeptide (LHb). 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 Beta Polypeptide (LHb) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Luteinizing Hormone Beta Polypeptide (LHb) in the sample.
Product Categories/Family for LHb elisa kit	Reproductive science

NCBI AND UNIPROT INFORMATION

NCBI GI #	119572817
NCBI GeneID	3972
Molecular Weight	15,345 Da
NCBI Official Full Name	luteinizing hormone beta polypeptide
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
UniProt Entry Name	LSHB_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/lhb-human-elisa-kits/luteinizing-hormone-beta-polypeptide/145521>