

Human Luteinizing Hormone, beta ELISA Kit | LHbeta/LHb elisa kit

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CATALOG #
AAA247187

REACTIVITY
Human

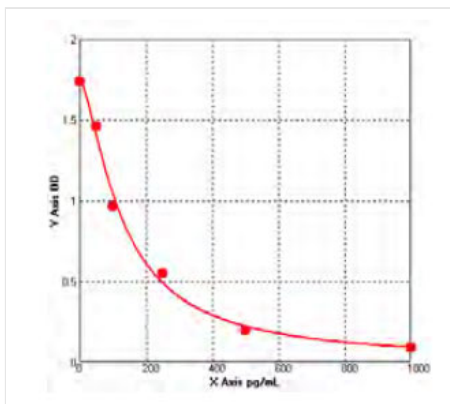
PRODUCT SYNONYMS

Luteinizing Hormone; beta; Human Luteinizing Hormone; beta ELISA Kit; LHbeta/LHb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LHbeta. No significant cross-reactivity or interference between LHbeta and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LHbeta and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	5
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LHBeta/LHb elisa kit	Principle of the Assay: LHBeta ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-LHBeta antibody and an LHBeta -HRP conjugate. The assay sample and buffer are incubated together with LHBeta -HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LHBeta concentration since LHBeta from samples and LH beta -HRP conjugate compete for the anti-LHBeta antibody binding site. Since the number of sites is limited, as more sites are occupied by LHBeta from the sample, fewer sites are left to bind LHBeta -HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LHBeta concentration in each sample is interpolated from this standard curve. Intended Uses: This LHBeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LHBeta. This ELISA kit for research use only, not for therapeutic or test applications!
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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.