

Human Lutropin-choriogonadotropic hormone receptor (LHCGR) ELISA Kit | LHCGR elisa kit

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CATALOG # AAA93803	REACTIVITY Human
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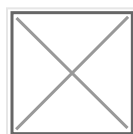
PRODUCT SYNONYMS

Lutropin-choriogonadotropic hormone receptor (LHCGR); Human Lutropin-choriogonadotropic hormone receptor (LHCGR) ELISA Kit; LHCGR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LHCGR elisa kit	Principle of the Assay: LHCGR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LHCGR antibody and an LHCGR-HRP conjugate. The assay sample and buffer are incubated together with LHCGR-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 LHCGR concentration since LHCGR from samples and LHCGR-HRP conjugate compete for the anti-LHCGR antibody binding site. Since the number of sites is limited, as more sites are occupied by LHCGR from the sample, fewer sites are left to bind LHCGR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LHCGR concentration in each sample is interpolated from this standard curve. Intended Uses: This LHCGR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LHCGR. This ELISA kit for research use only!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	106067657
NCBI GeneID	3973
NCBI Accession #	NP_000224.2

NCBI GenBank Nucleotide #	NM_000233.3
UniProt Accession #	P22888; Q14751; Q15996; Q9UEW9
Molecular Weight	78,643 Da
NCBI Official Full Name	lutropin-choriogonadotropic hormone receptor
NCBI Official Synonym Full Names	luteinizing hormone/choriogonadotropin receptor
NCBI Official Symbol	LHCGR
NCBI Official Synonym Symbols	HHG; LHR; LCGR; LGR2; ULG5; LHRHR; LSH-R; LH/CGR; LH/CG-R
NCBI Protein Information	lutropin-choriogonadotropic hormone receptor; hypergonadotropic hypogonadism; lutropin/choriogonadotropin receptor
UniProt Protein Name	Lutropin-choriogonadotropic hormone receptor
UniProt Gene Name	LHCGR
UniProt Synonym Gene Names	LCGR; LGR2; LHRHR; LH/CG-R; LHR; LSH-R
UniProt Entry Name	LSHR_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/lutropin-choriogonadotropic-hormone-receptor-lhcgr/93803>