

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

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CATALOG #
AAA249270

REACTIVITY
Canine

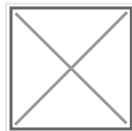
PRODUCT SYNONYMS

Canine LH (Luteinizing Hormone); Canine LH (Luteinizing Hormone) ELISA Kit; Lutropin subunit beta; Luteinizing hormone subunit beta; LH-B; LSH-B; LSH-beta; Lutropin beta chain; LHB; LH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	Specifically recognize LH, no obvious cross reaction with other analogues
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LH elisa kit	<p>Background: Luteinizing Hormone(LH) is a protein hormone secreted by the pituitary gland and transported through the bloodstream to the reproductive system. In the female body, LH stimulates the growth of follicles in the ovary and the release of mature eggs, as well as the production of progesterone to support conception and maintain pregnancy. In the male body, LH stimulates the testes to produce testosterone to support reproductive function and sexual maturity. Inappropriate levels of LH can lead to reproductive problems and hormonal imbalances. For example, in the female body, high or low levels of LH may cause menstrual irregularities, infertility, or polycystic ovary syndrome. In the male body, abnormal LH levels may lead to reproductive dysfunction and insufficient testicular function.</p> <p>Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with LH. During the reaction, LH in the sample or standard competes with a fixed amount of LH on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to LH. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm. The concentration of LH in the samples is then determined by comparing the OD of the samples to the standard curve. The concentration of the target substance was inversely proportional to the OD450 value.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	308081690
NCBI GeneID	403959
NCBI Accession #	NP_001183962.1
NCBI GenBank Nucleotide #	NM_001197033.1
UniProt Accession #	P18842
Molecular Weight	14,594 Da
NCBI Official Full Name	lutropin subunit beta
NCBI Official Symbol	LHB
NCBI Official Synonym Symbols	LH; LH-B; LSH-B
NCBI Protein Information	lutropin subunit beta; LSH-beta; luteinizing hormone subunit beta; lutropin beta chain
UniProt Protein Name	Lutropin subunit beta
UniProt Gene Name	LHB
UniProt Synonym Gene Names	LH-B; LSH-B; LSH-beta
UniProt Entry Name	LSHB_CANFA

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.