

Canine Placental Lactogen ELISA Kit | PL elisa kit

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CATALOG #
AAA96090

REACTIVITY
Canine

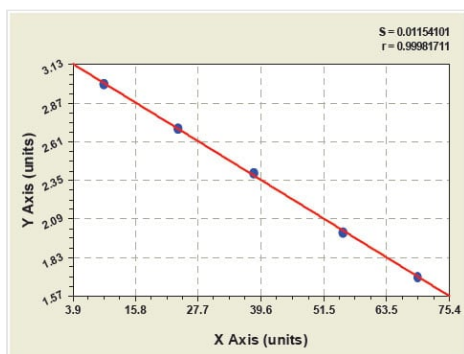
PRODUCT SYNONYMS

Placental Lactogen; Canine Placental Lactogen ELISA Kit; PL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500ug/L
Sensitivity	1.0ug/L
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PL elisa kit

Principle of the assay: HPL ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HPL antibody and an HPL-HRP conjugate. The assay sample and buffer are incubated together with HPL-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 HPL concentration since HPL from samples and HPL-HRP conjugate compete for the anti-HPL antibody binding site. Since the number of sites is limited, as more sites are occupied by HPL from the sample, fewer sites are left to bind HPL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HPL concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190034
NCBI GeneID	1442
Molecular Weight	25,020 Da
NCBI Official Full Name	placental lactogen
NCBI Official Synonym Full Names	chorionic somatomammotropin hormone 1 (placental lactogen)
NCBI Official Symbol	CSH1
NCBI Official Synonym Symbols	PL; CSA; CS-1; CSMT; hCS-1; hCS-A
NCBI Protein Information	chorionic somatomammotropin hormone 1; choriomammotropin; placental lactogen; chorionic somatomammotropin A; chorionic somatomammotropin-1
UniProt Protein Name	Chorionic somatomammotropin hormone 1
UniProt Gene Name	CSH1
UniProt Synonym Gene Names	Choriomammotropin; PL
UniProt Entry Name	CSH1_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/pl-canine-elisa-kits/placental-lactogen/96090>