

Rat Placental Lactogen ELISA Kit | PL elisa kit

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CATALOG #
AAA16002

REACTIVITY
Rat

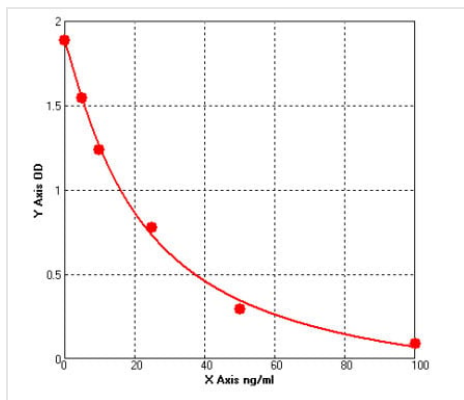
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PL. No significant cross-reactivity or interference between PL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PL and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
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: PL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PL antibody and an PL-HRP conjugate. The assay sample and buffer are incubated together with PL-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 PL concentration since PL from samples and PL-HRP conjugate compete for the anti-PL antibody binding site. Since the number of sites is limited, as more sites are occupied by PL from the sample, fewer sites are left to bind PL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PL concentration in each sample is interpolated from this standard curve. Intended Uses: This PL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PL. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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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.