

Human Placental Lactogen ELISA Kit | PL elisa kit

Human Placental Lactogen ELISA Kit

CATALOG #
AAA82754

REACTIVITY
Human

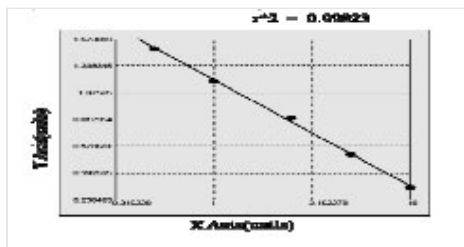
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000 nmoL/L
Sensitivity	1.0nmol/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

Intended Uses: This PL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PL. This ELISA kit for research use only!

Principle of the Assay: PL ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pl-human-elisa-kits/placental-lactogen/82754>