

Human Placental Lactogen (PL) ELISA Kit | PL elisa kit

Human Placental Lactogen (PL) ELISA Kit

CATALOG #
AAA68012

REACTIVITY
Human

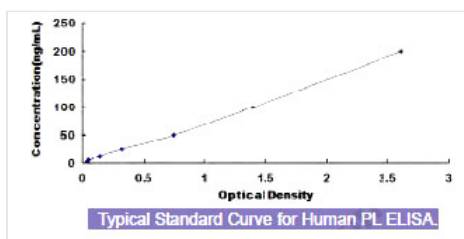
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	217
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	0.276ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PL were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PL were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PL elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PL in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PL. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PL. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PL, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PL in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503083
NCBI GeneID	1442
NCBI Accession #	NP_001308.1
NCBI GenBank Nucleotide #	NM_001317.5
UniProt Accession #	P0DML2; P01243; Q0VDB1; Q14407
Molecular Weight	25,020 Da
NCBI Official Full Name	chorionic somatomammotropin hormone 1
NCBI Official Synonym Full Names	chorionic somatomammotropin hormone 1
NCBI Official Symbol	CSH1
NCBI Official Synonym Symbols	PL; CSA; CS-1; CSMT; GHB3; hCS-1; hCS-A
NCBI Protein Information	chorionic somatomammotropin hormone 1
UniProt Protein Name	Chorionic somatomammotropin hormone 1
UniProt Gene Name	CSH1
UniProt Synonym Gene Names	Choriomammotropin; PL

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.