

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

Mouse Placental Lactogen (PL)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152538

REACTIVITY
Mouse

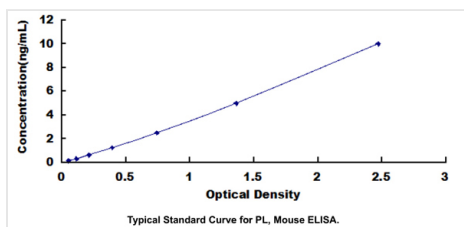
PRODUCT SYNONYMS

Placental Lactogen (PL); Mouse Placental Lactogen (PL)(Sandwich ELISA) ELISA Kit; ELISA Kit for Placental Lactogen (PL); CSH1; hCS-A; CSA; CSMT; Chorionic Somatomammotropin Hormone 1; Choriomammotropin; PL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/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	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PL elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PL. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PL in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130291
NCBI GeneID	18775
UniProt Accession #	P18121
Molecular Weight	26.4 kDa
NCBI Official Full Name	Prolactin-3D1
NCBI Official Synonym Full Names	prolactin family 3, subfamily d, member 1
NCBI Official Symbol	Prl3d1
NCBI Official Synonym Symbols	Pl1; Csh1; PL-I; PI-1; PL-Ia; mPL-I; AI325057; PL-I-alpha
NCBI Protein Information	prolactin-3D1; prolactin-like 2; placental lactogen 1; placental lactogen I; placental lactogen-I alpha; chorionic somatomammotropin hormone 1
UniProt Protein Name	Prolactin-3D1
UniProt Gene Name	Prl3d1
UniProt Synonym Gene Names	Csh1; PI-1; Pl1; PL-I
UniProt Entry Name	PR3D1_MOUSE

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/mouse-elisa-kits/placental-lactogen-pl/152538>