

Human prolactin ELISA Kit | PRL elisa kit

Human Prolactin/Luteotropic Hormone, PRL/LTH ELISA Kit

CATALOG #
AAA80222

REACTIVITY
Human

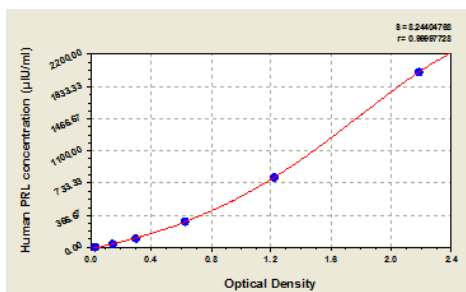
PRODUCT SYNONYMS

prolactin; Human Prolactin/Luteotropic Hormone; PRL/LTH ELISA Kit; Human Prolactin/Luteotropic Hormone (PRL/LTH) ELISA Kit; Human Prolactin/Luteotropic Hormone (PRL/LTH); PRL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PRL. No significant cross-reactivity or interference between Human PRL and analogues was observed.
Sequence Length	227
Samples	Serum, plasma, cell culture supernates, tissue homogenates, Cell lysates
Detection Range	40 uIU/ml-2000 uIU/ml
Sensitivity	50 uIU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Sex hormone
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRL elisa kit	Introduction: Prolactin (PRL) or Luteotropic hormone (LTH) is a peptide hormone discovered by Dr. Henry Friesen, primarily associated with lactation. In breastfeeding, the act of an infant suckling the nipple stimulates the production of prolactin, which fills the breast with milk via a process called lactogenesis, in preparation for the next feed. Oxytocin, another hormone, is also released, which triggers milk let-down. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PRL. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated monoclonal antibody preparation specific for PRL and incubated. Then substrate solutions are added to each well. Only those wells that contain PRL, HRP-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of PRL in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506105
NCBI GeneID	5617
NCBI Accession #	NP_000939.1
NCBI GenBank Nucleotide #	NM_000948.5
UniProt Accession #	P01236; Q15199; Q92996
Molecular Weight	25,876 Da
NCBI Official Full Name	prolactin
NCBI Official Synonym Full Names	prolactin
NCBI Official Symbol	PRL
NCBI Protein Information	prolactin; decidual prolactin
UniProt Protein Name	Prolactin
UniProt Gene Name	PRL
UniProt Synonym Gene Names	PRL
UniProt Entry Name	PRL_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://www.aaabiotech.com/prl-human-elisa-kits/prolactin/80222>