

Human Prolactin ELISA Kit | PRL elisa kit

Human Prolactin ELISA Kit

CATALOG # AAA332593	REACTIVITY Human	APPLICATIONS ELISA
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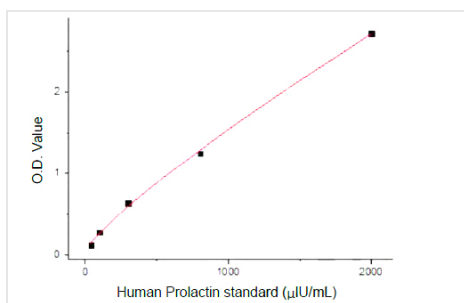
PRODUCT SYNONYMS

Prolactin; Human Prolactin ELISA Kit; PRL; Prl1a1; Prol; Prolactin precursor; RATPRLSD1; RNPROL; RP23-351I6.2; RP3-404K8.1; OTTMUSP00000000651; Luteotropic Hormone; Lactogenic Hormone; Mammotropin; AV290867; PRL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prolactin ELISA Kit has high sensitivity and excellent specificity for detection of Human Prolactin. No significant cross-reactivity or interference between Human Prolactin and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma
Detection Range	40 uIU/mL-2000 uIU/mL
Sensitivity	40 uIU/mL
Applicable Applications for PRL elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?15%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?15%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRL elisa kit	Principle of the Assay: Human prolactin (PRL) is a single-chain polypeptide hormone composed of 198 amino acids produced by the pituitary gland with a molecular weight of 22,000. It is structurally and biologically similar to growth hormone (GH) and placental prolactin (HPL). PRL acts directly on somatic cells to promote mammary gland growth, development and emulsion formation. The levels of PRL in non-pregnant women and men were comparable, and the levels of PRL in plasma increased gradually after pregnancy, peaked before delivery, and further increased during lactation. PRL is secreted in a pulsatile manner, and emotional fluctuations, trauma, etc. have a significant impact on the secretion of PRL.Human Prolactin ELISA Kit employs a two-site sandwich ELISA to quantitate Human Prolactin in samples. An antibody specific for Human Prolactin has been pre-coated onto a microplate. Standards and samples are added to the appropriate microtiter plate wells with HRP conjugated antibody specific for Human Prolactin and any Human Prolactin present is bound by the immobilized antibody. Following a wash to remove any unbound enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Human Prolactin in the sample. The color development is stopped and the intensity of the color is measured.
Product Categories/Family for PRL elisa kit	ELISA Assay Kit; Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	254675133
NCBI GeneID	5617
NCBI Accession #	NP_001157030.1
NCBI GenBank Nucleotide #	NM_001163558.2
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; decidal 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.