

Human Prolactin ELISA Kit | PRL elisa kit

Human Prolactin PicoKine ELISA Kit

CATALOG #
AAA45778

REACTIVITY
Human

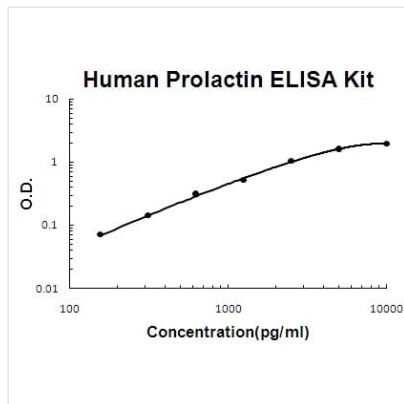
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Prolactin
Sequence Length	227
Samples	Cell culture supernates, serum and plasma (heparin, citrate)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Prolactin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for PRL elisa kit	Principle of the assay: human Prolactin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Prolactin has been precoated onto 96-well plates. Standards(E.coli, L29-C227) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Prolactin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Prolactin amount of sample captured in plate. Background: Prolactin, also calle PRL, is a protein that in humans is encodes by the PRL gene. This gene is mapped to 6p22.3. This gene encodes the anterior pituitary hormone prolactin. It may play a role in cell survival by suppressing apoptosis, and it is essential for lactation. Prolactin also acts in a cytokine-like manner and as an important regulator of the immune system. Prolactin has important cell cycle related functions as a growth-, differentiating- and anti-apoptotic factor. As a growth factor binding to cytokine like receptors it has also profound influence on hematopoiesis,angiogenesis and is involved in the regulation of blood clotting through several pathways.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130930
NCBI GeneID	5617
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.