

Rat Prolactin ELISA Kit | PRL elisa kit

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CATALOG #
AAA85203

REACTIVITY
Rat

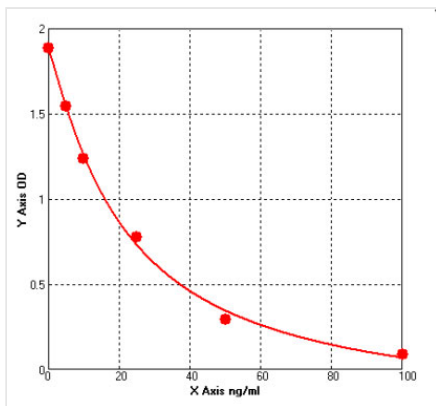
PRODUCT SYNONYMS

Prolactin; Rat Prolactin ELISA Kit; PRL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PRL. No significant cross-reactivity or interference between PRL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PRL and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRL elisa kit	Principle of the Assay: PRL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PRL antibody and an PRL-HRP conjugate. The assay sample and buffer are incubated together with PRL-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PRL concentration since PRL from samples and PRL-HRP conjugate compete for the anti-PRL antibody binding site. Since the number of sites is limited, as more sites are occupied by PRL from the sample, fewer sites are left to bind PRL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRL concentration in each sample is interpolated from this standard curve. Intended Uses: This PRL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PRL. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130930
NCBI GeneID	5617
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-rat-elisa-kits/prolactin/85203>