

Porcine Prolactin (PRL) ELISA Kit | PRL elisa kit

Porcine Prolactin (PRL) High Sensitive ELISA Kit

CATALOG # AAA188524	REACTIVITY Porcine	APPLICATIONS ELISA
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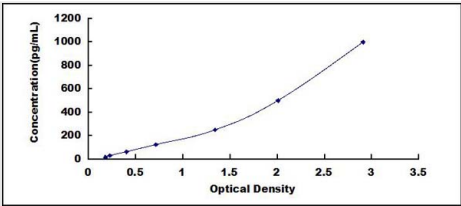
PRODUCT SYNONYMS

Prolactin (PRL); Porcine Prolactin (PRL) High Sensitive ELISA Kit; Prolactin; LTH; Luteotropic Hormone; PRL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Prolactin (PRL). No significant cross-reactivity or interference between High Sensitive Prolactin (PRL) and analogues was observed.
Sequence Length	229
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	15.6-1000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 5.7pg/mL
Applicable Applications for PRL elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Prolactin (PRL) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Prolactin (PRL) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to High Sensitive Prolactin (PRL). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Prolactin (PRL). 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 High Sensitive Prolactin (PRL), 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 High Sensitive Prolactin (PRL) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	47522634
NCBI GeneID	396965
NCBI Accession #	NP_999091.1
NCBI GenBank Nucleotide #	NP_999091.1
UniProt Accession #	P01238
NCBI Official Full Name	prolactin
NCBI Official Symbol	PRL
NCBI Protein Information	prolactin
UniProt Protein Name	Prolactin
UniProt Gene Name	PRL
UniProt Synonym Gene Names	PRL

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/porcine-elisa-kits/prolactin-prl/188524>