

Sheep Prolactin (PRL) ELISA Kit | PRL elisa kit

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CATALOG #
AAA149067

REACTIVITY
Sheep

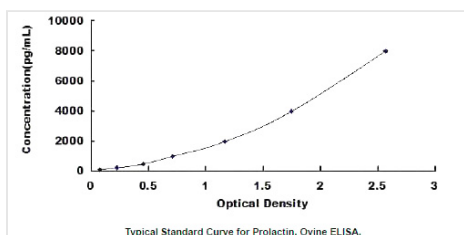
PRODUCT SYNONYMS

Prolactin (PRL); Sheep Prolactin (PRL) ELISA Kit; LTH; Luteotropic Hormone; PRL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of prolactin. No significant cross-reactivity or interference between prolactin and analogues was observed.
Sequence Length	227
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	125-8,000pg/mL
Sensitivity	55pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level prolactin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level prolactin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for PRL elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of prolactin in caprine serum, plasma and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to prolactin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to prolactin. 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 prolactin, 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 prolactin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PRL elisa kit	Endocrinology; Reproductive science; Genetic science; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506105
NCBI GeneID	5617
NCBI Accession #	NP_000939.1
NCBI GenBank Nucleotide #	NM_000948.6
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 Official Synonym Symbols	GHA1
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/sheep-elisa-kits/prolactin-prl/149067>