

Goat Prolactin Receptor (PRLR) ELISA Kit | PRLR elisa kit

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CATALOG #
AAA247404

REACTIVITY
Goat

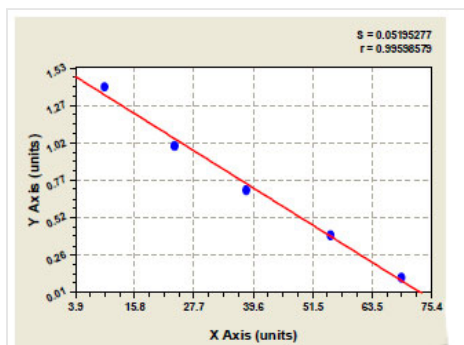
PRODUCT SYNONYMS

Prolactin Receptor (PRLR); Goat Prolactin Receptor (PRLR) ELISA Kit; PRLR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Specificity	This assay has high sensitivity and excellent specificity for detection of PRLR. No significant cross-reactivity or interference between PRLR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PRLR and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	622
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRLR elisa kit	Intended Uses: This PRLR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat PRLR. This ELISA kit for research use only! Principle of the Assay: PRLR ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-PRLR antibody and an PRLR-HRP conjugate. The assay sample and buffer are incubated together with PRLR-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 PRLR concentration since PRLR from samples and PRLR-HRP conjugate compete for the anti-PRLR antibody binding site. Since the number of sites is limited, as more sites are occupied by PRLR from the sample, fewer sites are left to bind PRLR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRLR concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PRLR elisa kit	Signal Transduction; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506107
NCBI GeneID	5618
NCBI Accession #	NP_000940.1
NCBI GenBank Nucleotide #	NM_000949.7
UniProt Accession #	P16471; Q16354; Q8TD75; Q8TD78; Q96P35; Q96P36; Q9BX87; Q9UHVJ5; B2R882; D1MDP1
Molecular Weight	57,953 Da
NCBI Official Full Name	prolactin receptor isoform 1
NCBI Official Synonym Full Names	prolactin receptor
NCBI Official Symbol	PRLR
NCBI Official Synonym Symbols	HPRL; MFAB; hPRLr; RI-PRLR
NCBI Protein Information	prolactin receptor
UniProt Protein Name	Prolactin receptor
UniProt Gene Name	PRLR
UniProt Synonym Gene Names	PRL-R

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.