

Sheep Prolactin receptor (PRLR) ELISA Kit | PRLR elisa kit

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CATALOG #
AAA245279

REACTIVITY
Sheep

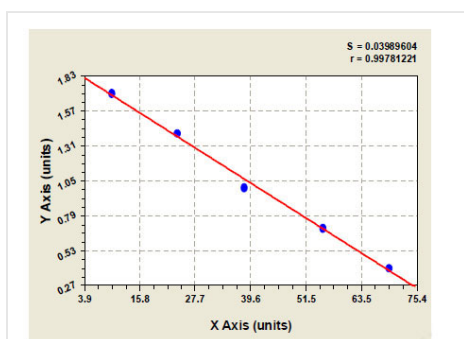
PRODUCT SYNONYMS

Prolactin receptor (PRLR); Sheep Prolactin receptor (PRLR) ELISA Kit; PRLR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

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 Sheep 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](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506107
NCBI GeneID	5618
NCBI Accession #	NP_000940.1
NCBI GenBank Nucleotide #	NM_000949.6
Molecular Weight	35,011 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; hPRLrI
NCBI Protein Information	prolactin receptor; hPRL receptor; secreted prolactin binding protein
UniProt Protein Name	Prolactin receptor
UniProt Gene Name	PRLR
UniProt Synonym Gene Names	PRL-R
UniProt Entry Name	PRLR_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://stage.aaabiotech.com/sheep-elisa-kits/prolactin-receptor-prlr/245279>