

Bovine Parathyroid Hormone Related Protein ELISA Kit | PTHRP elisa kit

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CATALOG #
AAA89682

REACTIVITY
Bovine

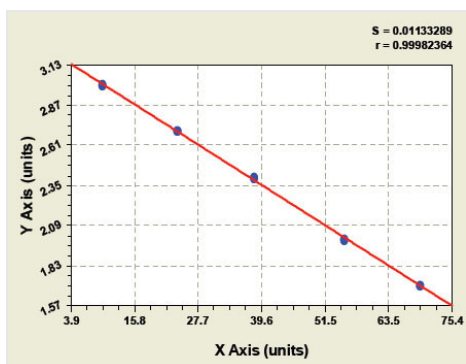
PRODUCT SYNONYMS

Parathyroid Hormone Related Protein; Bovine Parathyroid Hormone Related Protein ELISA Kit; PTHRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PTHRP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine PTHRP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTHRP elisa kit

Principle of the Assay: PTHRP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PTHRP antibody and an PTHRP-HRP conjugate. The assay sample and buffer are incubated together with PTHRP-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 PTHRP concentration since PTHRP from samples and PTHRP-HRP conjugate compete for the anti-PTHRP antibody binding site. Since the number of sites is limited, as more sites are occupied by PTHRP from the sample, fewer sites are left to bind PTHRP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PTHRP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981438
NCBI GeneID	24695
NCBI Accession #	NP_036768.1
NCBI GenBank Nucleotide #	NM_012636.1
Molecular Weight	20,204 Da
NCBI Official Full Name	parathyroid hormone-related protein preproprotein
NCBI Official Synonym Full Names	parathyroid hormone-like hormone
NCBI Official Symbol	Pthlh
NCBI Official Synonym Symbols	PLP
NCBI Protein Information	parathyroid hormone-related protein; PTHrP; PTH-rP; parathyroid-like peptide; parathyroid hormone-like peptide; parathyroid hormone-like protein
UniProt Protein Name	Parathyroid hormone-related protein
UniProt Gene Name	Pthlh
UniProt Synonym Gene Names	Pthrp; PTH-rP; PTHrP; PLP
UniProt Entry Name	PTHR_RAT

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/pthrp-bovine-ovine-elisa-kits/parathyroid-hormone-related-protein/89682>