

Sheep Parathyroid hormone receptor ELISA Kit | PTHrP receptor elisa kit

Sheep Parathyroid hormone receptor ELISA Kit

CATALOG #
AAA244862

REACTIVITY
Sheep

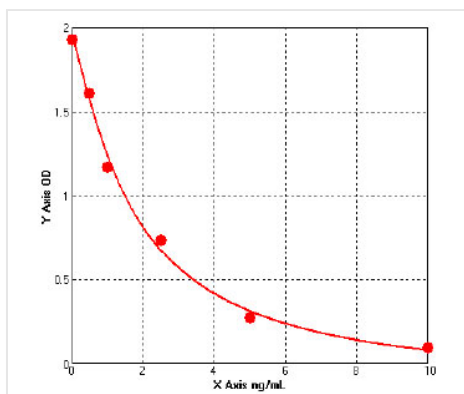
PRODUCT SYNONYMS

Parathyroid hormone receptor; Sheep Parathyroid hormone receptor ELISA Kit; PTHrP receptor elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of PTHR. No significant cross-reactivity or interference between PTHR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PTHR and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative 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 PTHrP receptor elisa kit	Intended Uses: This PTHR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep PTHR. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PTHR ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PTHrP antibody and an PTHR-HRP conjugate. The assay sample and buffer are incubated together with PTHR-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 PTHR concentration since PTHR from samples and PTHR-HRP conjugate compete for the anti-PTHrP antibody binding site. Since the number of sites is limited, as more sites are occupied by PTHR from the sample, fewer sites are left to bind PTHR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PTHR concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PTHrP receptor elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	396813
NCBI GeneID	5745
UniProt Accession #	Q03431; Q2M1U3
Molecular Weight	66,361 Da
NCBI Official Full Name	parathyroid hormone receptor
NCBI Official Synonym Full Names	parathyroid hormone 1 receptor
NCBI Official Symbol	PTH1R
NCBI Official Synonym Symbols	PFE; PTHR; PTHR1
NCBI Protein Information	parathyroid hormone/parathyroid hormone-related peptide receptor; PTH1 receptor; PTH/PTHr receptor; PTH/PTHrP type I receptor; parathyroid hormone receptor 1; seven transmembrane helix receptor; parathyroid hormone/parathyroid hormone-related protein receptor
UniProt Protein Name	Parathyroid hormone/parathyroid hormone-related peptide receptor
UniProt Gene Name	PTH1R
UniProt Synonym Gene Names	PTHR; PTHR1; PTH/PTHr receptor; PTH1 receptor
UniProt Entry Name	PTH1R_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pthrp-receptor-sheep-elisa-kits/parathyroid-hormone-receptor/244862>