

Parathyroid Hormone (PTH) CLIA Kit | PTH clia kit

Rat Parathyroid Hormone (PTH) CLIA Kit

CATALOG #
AAA130188

REACTIVITY
Rat

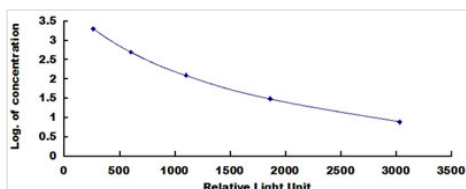
PRODUCT SYNONYMS

Parathyroid Hormone (PTH); Rat Parathyroid Hormone (PTH) CLIA Kit; iPTH; Intact Parathyroid Hormone; Parathormone; Parathyrin; PTH clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Parathyroid Hormone (PTH). No significant cross-reactivity or interference between Parathyroid Hormone (PTH) and analogues was observed.
Sequence Length	115
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	7.81-2,000pg/mL
Sensitivity	2.65pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Parathyroid Hormone (PTH) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Parathyroid Hormone (PTH) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 PTH clia kit	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Parathyroid Hormone (PTH). A competitive inhibition reaction is launched between biotin labeled Parathyroid Hormone (PTH) and unlabeled Parathyroid Hormone (PTH) (Standards or samples) with the pre-coated antibody specific to Parathyroid Hormone (PTH). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Parathyroid Hormone (PTH) in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the Parathyroid Hormone (PTH) level in the sample or standard.
Product Categories/Family for PTH clia kit	Metabolic pathway; Endocrinology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506267
NCBI GeneID	5741
NCBI Accession #	NP_000306.1
NCBI GenBank Nucleotide #	NM_000315.2
UniProt Accession #	P01270; Q4VB48; Q9UD38
Molecular Weight	12,861 Da
NCBI Official Full Name	parathyroid hormone preproprotein
NCBI Official Synonym Full Names	parathyroid hormone
NCBI Official Symbol	PTH
NCBI Official Synonym Symbols	PTH1
NCBI Protein Information	parathyroid hormone
UniProt Protein Name	Parathyroid hormone
UniProt Gene Name	PTH
UniProt Synonym Gene Names	PTH
UniProt Entry Name	PTHY_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.