

Parathyroid Hormone (PTH) RTU ELISA Kit | PTH rtu elisa kit

Rat Parathyroid Hormone (PTH) ELISA Kit

CATALOG #
AAA218056

REACTIVITY
Rat

PRODUCT SYNONYMS

Parathyroid Hormone (PTH); Rat Parathyroid Hormone (PTH) ELISA Kit; iPTH; Intact Parathyroid Hormone; Parathormone; Parathyrin; PTH rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PTH. No significant cross-reactivity or interference between PTH and analogues was observed.
Sequence Length	115
Assay Type	Quantitative Competitive
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	3.12-200pg/mL
Sensitivity	< 1.27pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTH were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PTH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

ADDITIONAL INFORMATION

Related Product Information for PTH rtu elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to PTH has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled PTH and unlabeled PTH (Standards or samples) with the pre-coated antibody specific to 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 PTH in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of PTH in the sample.

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of PTH in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8394100
NCBI GeneID	24694
NCBI Accession #	NP_058740.1

NCBI GenBank Nucleotide #	NM_017044.1
UniProt Accession #	P04089 ; Q63473
Molecular Weight	12,722 Da
NCBI Official Full Name	parathyroid hormone
NCBI Official Synonym Full Names	parathyroid hormone
NCBI Official Symbol	Pth
NCBI Official Synonym Symbols	Pth1; Pthr1; PTH-(1-84)
NCBI Protein Information	parathyroid hormone
UniProt Protein Name	Parathyroid hormone
UniProt Gene Name	Pth
UniProt Synonym Gene Names	PTH

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://www.aaabiotech.com/rat-rtu-elisa-kits/parathyroid-hormone-ptth/218056>