

Human Parathyroid Hormone Receptor 2 (PTHr2) ELISA Kit | PTHr2 elisa kit

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CATALOG #
AAA138613

REACTIVITY
Human

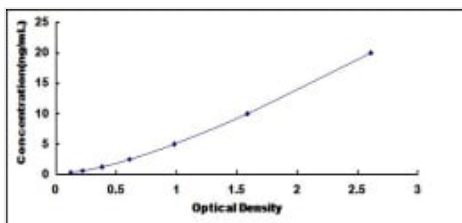
PRODUCT SYNONYMS

Parathyroid Hormone Receptor 2 (PTHr2); Human Parathyroid Hormone Receptor 2 (PTHr2) ELISA Kit; PTH2; PTH2R; Parathyroid Hormone 2 Receptor; PTHr2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Parathyroid Hormone Receptor 2 (PTHr2). No significant cross-reactivity or interference between Parathyroid Hormone Receptor 2 (PTHr2) and analogues was observed.
Sequence Length	550
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.118ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Parathyroid Hormone Receptor 2 (PTHr2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Parathyroid Hormone Receptor 2 (PTHr2) 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 PTHR2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Parathyroid Hormone Receptor 2 (PTH2R). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Parathyroid Hormone Receptor 2 (PTH2R). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Parathyroid Hormone Receptor 2 (PTH2R), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Parathyroid Hormone Receptor 2 (PTH2R) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PTHR2 elisa kit	Endocrinology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826954
NCBI GeneID	5746
NCBI Accession #	NP_005039.1
NCBI GenBank Nucleotide #	NM_005048.3
UniProt Accession #	P49190; Q8N429
Molecular Weight	62,236 Da
NCBI Official Full Name	parathyroid hormone 2 receptor isoform 1
NCBI Official Synonym Full Names	parathyroid hormone 2 receptor
NCBI Official Symbol	PTH2R
NCBI Official Synonym Symbols	PTH2R
NCBI Protein Information	parathyroid hormone 2 receptor
UniProt Protein Name	Parathyroid hormone 2 receptor
UniProt Gene Name	PTH2R
UniProt Synonym Gene Names	PTH2R; PTH2 receptor
UniProt Entry Name	PTH2R_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/human-elisa-kits/parathyroid-hormone-receptor-2-pthr2/138613>