

Human Parathyroid Hormone 2 Receptor (PTH2R) ELISA Kit | PTH2R elisa kit

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CATALOG #
AAA331246

REACTIVITY
Human

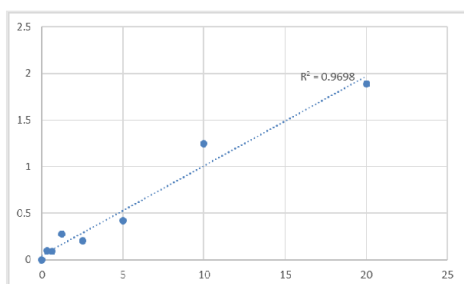
PRODUCT SYNONYMS

Parathyroid Hormone 2 Receptor (PTH2R); Human Parathyroid Hormone 2 Receptor (PTH2R) ELISA Kit; PTH2R; PTHR2; PTH2 receptor; parathyroid hormone receptor 2; PTH2R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Parathyroid hormone 2 receptor (PTH2R) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTH2R. No significant cross-reactivity or interference between Human PTH2R and analogues was observed.
Sequence Length	550
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Parathyroid hormone 2 receptor (PTH2R) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTH2R elisa kit	Description: This Human Parathyroid hormone 2 receptor (PTH2R) ELISA Kit employs a two-site sandwich ELISA to quantitate PTH2R in samples. An antibody specific for PTH2R has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTH2R present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTH2R is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTH2R bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Parathyroid hormone receptor 2 is a protein encoded by this gene is a member of the G-protein coupled receptor family 2. This protein is a receptor for parathyroid hormone (PTH). This receptor is more selective in ligand recognition and has a more specific tissue distribution compared to parathyroid hormone receptor 1 (PTH1R). There is 30 to 70% amino acid sequence identity between receptors within the secretin receptor family, but these receptors have essentially no sequence identity with most known G protein-coupled receptors of the rhodopsin family or with the metabotropic glutamate receptor family. PTH2R is most similar (51% overall amino acid identity) to the PTH/PTHrP receptor. The PTH2R gene was most abundantly expressed in brain, pancreas, testis, and placenta.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1346906
NCBI GeneID	5746
UniProt Accession #	P49190
NCBI Official Full Name	Parathyroid hormone 2 receptor
NCBI Official Synonym Full Names	parathyroid hormone 2 receptor
NCBI Official Symbol	PTH2R
NCBI Official Synonym Symbols	PTHR2
NCBI Protein Information	parathyroid hormone 2 receptor
UniProt Protein Name	Parathyroid hormone 2 receptor
UniProt Gene Name	PTH2R
UniProt Synonym Gene Names	PTHR2; 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-2-receptor-pt2r/331246>