

Human Parathyroid Pormone 1 Receptor (PTH1R) ELISA Kit | PTH1R elisa kit

Human Parathyroid Pormone 1 Receptor (PTH1R) ELISA Kit

CATALOG #
AAA331247

REACTIVITY
Human

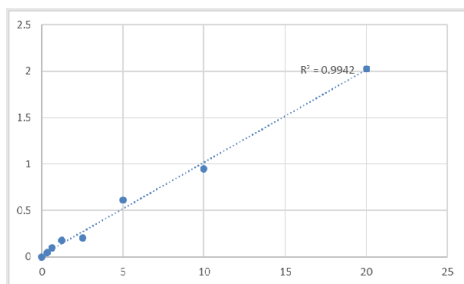
PRODUCT SYNONYMS

Parathyroid Pormone 1 Receptor (PTH1R); Human Parathyroid Pormone 1 Receptor (PTH1R) ELISA Kit; PTH1R; MGC138426; MGC138452; PFE; PTHR; PTHR1; OTTHUMP00000209970; OTTHUMP00000209971; PTH/PTHr receptor; PTH/PTHrP type I receptor; parathyroid hormone receptor 1; parathyroid hormone/parathyroid hormone-relat; PTH1R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Parathyroid Pormone 1 Receptor (PTH1R) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTH1R. No significant cross-reactivity or interference between Human PTH1R and analogues was observed.
Sequence Length	593
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 Pormone 1 Receptor (PTH1R) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTH1R elisa kit	Description: This Human Parathyroid Pormone 1 Receptor (PTH1R) ELISA Kit employs a two-site sandwich ELISA to quantitate PTH1R in samples. An antibody specific for PTH1R has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTH1R present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTH1R 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 PTH1R bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Parathyroid hormone receptor 1 functions as a receptor for parathyroid hormone (PTH) and for parathyroid hormone-like hormone (PTHrP).This "classical" PTH receptor is expressed in high levels in bone and kidney and regulates calcium ion homeostasis through activation of adenylate cyclase and phospholipase C. In bone, it is expressed on the surface of osteoblasts. When the receptor is activated, these cells in turn stimulate osteoclasts to ultimately increase the resorption rate.It is a member of the secretin family of G protein-coupled receptors. The activity of this receptor is mediated by Gs G proteins which activate adenylyl cyclase. Besides, they also activate phosphatidylinositol-calcium second messenger system.Expressed in most tissues. Most abundant in kidney, bone and liver.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506271
NCBI GeneID	5745
NCBI Accession #	NP_000307.1
NCBI GenBank Nucleotide #	NP_000307.1
UniProt Accession #	Q03431
NCBI Official Full Name	parathyroid hormone/parathyroid hormone-related peptide receptor
NCBI Official Synonym Full Names	parathyroid hormone 1 receptor
NCBI Official Symbol	PTH1R
NCBI Official Synonym Symbols	PFE; EKNS; PTHR; PTHR1
NCBI Protein Information	parathyroid hormone/parathyroid hormone-related peptide receptor
UniProt Protein Name	Parathyroid hormone/parathyroid hormone-related peptide receptor
UniProt Gene Name	PTH1R
UniProt Synonym Gene Names	PTHR; PTHR1; PTH/PTHr 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.