

Human Parathyroid hormone 2 receptor (PTH2R) ELISA Kit



Catalog No: #EK7995

Orders: order@signalwayantibody.com

Package Size: #EK7995-1 48T #EK7995-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Parathyroid hormone 2 receptor (PTH2R) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	PTHR2; PTH2 receptor parathyroid hormone receptor 2
Accession No.	P49190
Uniprot	P49190
GeneID	5746;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.118 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay 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 anyPTH2R 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.**Product Overview:**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 (PTHR1). 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. PTHR2 is most similar (51% overall amino acid identity) to the PTH/PTHRP receptor. The PTHR2 gene was most abundantly expressed in brain, pancreas, testis, and placenta.

Note: This product is for in vitro research use only