Human Receptor-type tyrosine-protein phosphatase gamma (PTPRG) ELISA Kit

Catalog No: #EK7961

Package Size: #EK7961-1 48T #EK7961-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Receptor-type tyrosine-protein phosphatase gamma (PTPRG) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	HPTPG; PTPG; R-PTP-GAMMA; RPTPG; H_RG317H01.1|protein tyrosine phosphatase gamma|protein tyrosine phosphatase; receptor type; gamma polypeptide|receptor type protein tyrosine phosphatase gamma|recep
Accession No.	Q98936
Uniprot	Q98936
Storage	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. 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).

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.117 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 PTPRG in samples. An antibody specific for PTPRG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPTPRG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTPRG 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 PTPRG bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Receptor-type tyrosine-protein phosphatase gamma is member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this PTP contains a carbonic anhydrase-like (CAH) domain, which is also found in the extracellular region of PTPRBETA/ZETA. This gene is located in a chromosomal region that is frequently deleted in renal cell carcinoma and lung carcinoma, thus is thought to be a candidate tumor suppressor gene.

Note: This product is for in vitro research use only