Human Protein tyrosine phosphatase domain-containing protein 1 (PTPDC1) ELISA Kit

Catalog No: #EK7970

Package Size: #EK7970-1 48T #EK7970-2 96T

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

Description

Product Name	Human Protein tyrosine phosphatase domain-containing protein 1 (PTPDC1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-490F3.2; FLJ42922; PTP9Q22; protein tyrosine phosphatase PTP9Q22|protein tyrosine phosphatase domain containing 1 protein
Accession No.	A2A3K4
Uniprot	A2A3K4
GeneID	138639;
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:Request Information

Sensitivity:Request Information

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 PTPDC1 in samples. An antibody specific for PTPDC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPTPDC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTPDC1 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 PTPDC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:PTPDC1 contains a characteristic motif of protein tyrosine phosphatases (PTPs). PTPs regulate activities of phosphoproteins through dephosphorylation. They are signaling molecules involved in the regulation of a wide variety of biological processes. The specific function of this protein has not yet been determined. Alternatively spliced transcript variants encoding distinct isoforms have been identified.

Protein tyrosine phosphatases (PTPs) are a group of enzymes that remove phosphate groups from phosphorylated tyrosine residues on proteins. Protein tyrosine (pTyr) phosphorylation is a common post-translational modification which can create novel recognition motifs for protein interactions and cellular localisation, affect protein stability, and regulate enzyme activity.

Note: This product is for in vitro research use only