Mouse Receptor-type tyrosine-protein phosphatase T (PTPRT) ELISA Kit

Catalog No: #EK7958

Package Size: #EK7958-1 48T #EK7958-2 96T

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Description

Product Name	Mouse Receptor-type tyrosine-protein phosphatase T (PTPRT) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	RP5-1121H13.2; KIAA0283; RPTPrho; receptor protein tyrosine phosphatase
Accession No.	Q99M80
Uniprot	Q99M80
GeneID	19281;
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 PTPRT in samples. An antibody specific for PTPRT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPTPRT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTPRT 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 PTPRT bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:T is a 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 intracellular catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP (MAM) domain, Ig-like and fibronectin type III-like repeats. The protein domain structure and the expression pattern of the mouse counterpart of this PTP suggest its roles in both signal transduction and cellular adhesion in the central nervous system. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported.
Organism species: Homo sapiens (Human)

Note: This product is for in vitro research use only