

Mouse Tyrosine-protein phosphatase non-receptor type 4 (PTPN4) ELISA Kit

Catalog No: #EK7965

Orders: order@signalwayantibody.com

Package Size: #EK7965-1 48T #EK7965-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Tyrosine-protein phosphatase non-receptor type 4 (PTPN4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	PTPMEG; PTPMEG1; PTPase-MEG1 megakaryocyte phosphatase megakaryocyte protein-tyrosine phosphatase protein tyrosine phosphatase MEG1 protein tyrosine phosphatase; non-receptor type 4
Accession No.	Q9WU22
Uniprot	Q9WU22
GeneID	19258;
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:4.7-300 pg/mL

Sensitivity:1.17 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

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 PTPN4 in samples. An antibody specific for PTPN4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPTPN4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTPN4 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 PTPN4 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Tyrosine-protein phosphatase non-receptor type 4 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 protein contains a C-terminal PTP domain and an N-terminal domain homologous to the band 4.1 superfamily of cytoskeletal-associated proteins. This PTP has been shown to interact with glutamate receptor delta 2 and epsilon subunits, and is thought to play a role in signalling downstream of the glutamate receptors through tyrosine dephosphorylation.

Note: This product is for in vitro research use only