Mouse Delphilin (GRID2IP) ELISA Kit

Catalog No: #EK11582

Package Size: #EK11582-1 48T #EK11582-2 96T

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

Description

Product Name	Mouse Delphilin (GRID2IP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	Delphilin|glutamate receptor; ionotropic; delta 2 (Grid2) interacting protein 1
Accession No.	Q0QWG9
Uniprot	Q0QWG9
GeneID	170935;
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:0.156-10 ng/mL

Sensitivity:0.073 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 GRID2IP in samples. An antibody specific for GRID2IP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyGRID2IP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GRID2IP 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 GRID2IP bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Glutamate receptor delta-2 (GRID2) is predominantly expressed at parallel fiber-Purkinje cell postsynapses and plays crucial roles in synaptogenesis and synaptic plasticity. GRID2IP1 interacts with GRID2 and may control GRID2 signaling in Purkinje cells.

The L-delphilin isoform contains an N-terminal PDZ domain (PDZ1), followed by a linker region, a second PDZ domain (PDZ2), an FH domain, and a C-terminal coiled-coil domain. Compared with L-delphilin, S-delphilin lacks PDZ1 and the linker region, which are replaced with an N-terminal palmitoylation site. Northern blot analysis of mouse brain showed higher expression of S-delphilin in cerebral cortex than cerebellum, whereas L-delphilin showed higher expression in cerebellum.

Note: This product is for in vitro research use only