Human Prickle-like protein 1 (PRICKLE1) ELISA Kit

Catalog No: #EK8288

Package Size: #EK8288-1 48T #EK8288-2 96T

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

Description

Product Name	Human Prickle-like protein 1 (PRICKLE1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	EPM1B; FLJ31627; FLJ31937; MGC138902; MGC138903; RILP; REST (RE-1 silencing transcription factor)/NRSF (neuron-restrictive silencer factor)-interacting LIM domain protein|prickle homolog 1|prickle-l
Accession No.	Q96MT3
Uniprot	Q96MT3
GeneID	144165;
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 PRICKLE1 in samples. An antibody specific for PRICKLE1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRICKLE1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRICKLE1 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 PRICKLE1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:PRICKLE1 encodes a nuclear receptor that may be a negative regulator of the Wnt/beta-catenin signaling pathway. The encoded protein localizes to the nuclear membrane and has been implicated in the nuclear trafficking of the transcription repressors REST/NRSF and REST4. Mutations in this gene have been linked to progressive myoclonus epilepsy. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 3. The deduced 831-amino acid protein contains 3 N-terminal LIM domains and 3 C-terminal nuclear localization signals. It also contains 4 N-glycosylation sites, 2 PKA phosphorylation sites, and a C-terminal CIIS (cys-ile-ile-ser) prenylation motif. Northern blot analysis detected a single 4.4-kb transcript in all tissues examined, with the highest level in placenta.

Note: This product is for in vitro research use only