Mouse Prickle-like protein 3 (PRICKLE3) ELISA Kit

Catalog No: #EK8283

Package Size: #EK8283-1 48T #EK8283-2 96T

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

Description

Product Name	Mouse Prickle-like protein 3 (PRICKLE3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	LMO6; LIM domain only 6
Accession No.	Q80VL3
Uniprot	Q80VL3
GeneID	54630;
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 PRICKLE3 in samples. An antibody specific for PRICKLE3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRICKLE3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRICKLE3 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 PRICKLE3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:In the study of a gene-rich region of the X chromosome, Xp11.23-p11.22, Fisher et al. (1997) identified a novel locus consisting of 8 exons in a 12.5-kb interval between the A4 and the SYP loci. This gene, called LMO6, was predicted to encode a product of 407 amino acids with significant homology to proteins containing LIM domains, in particular, mouse testin. The LIM domain is a cysteine-rich sequence motif that binds zinc atoms to form a specific protein-binding interface in protein-protein interactions. Like testin, the LMO6 product contains 3 such domains. Using an RT-PCR approach, they were able to amplify a 450-bp product spanning exons 5 to 7 of the LMO6 transcript from lymphoblastoid RNA. This confirmed that the LMO6 locus is indeed transcribed and unlikely to be a pseudogene.

Note: This product is for in vitro research use only