

Human Prickle-like protein 4 (PRICKLE4) ELISA Kit

Catalog No: #EK8281



Package Size: #EK8281-1 48T #EK8281-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Prickle-like protein 4 (PRICKLE4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-298J23.3; C6orf49; MGC120398; OBTP; OEBT; OTTHUMP00000174832 OTTHUMP00000199588 over-expressed breast tumor protein
Accession No.	Q2TBC4
Uniprot	Q2TBC4
GenID	29964;
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 PRICKLE4 in samples. An antibody specific for PRICKLE4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRICKLE4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRICKLE4 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 PRICKLE4 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:C6ORF49 is a member of the LIM domain protein family. C6ORF49 gene contains 9 exons and spans 8.585 kb. By database searching with human PRICKLE1 and PRICKLE2 as probes, Teufel et al. (2005) identified C6ORF49, which they called OEBT, and used this sequence to identify the mouse and rat homologs.

The deduced 385-amino acid C6ORF49 protein shares 72% and 54% sequence identity with the mouse and rat homologs, respectively. C6ORF49 contains 2 LIM domains and a PET domain. It is predicted to be localized in the nucleus. EST database analysis revealed C6ORF49 expression in a broad range of normal tissues as well as in hepatocellular carcinoma, breast cancer, and prostate cancer tissues.

Note: This product is for in vitro research use only