Human Meckelin (TMEM67) ELISA Kit

Catalog No: #EK6355

Package Size: #EK6355-1 48T #EK6355-2 96T

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

Description

Product Name	Human Meckelin (TMEM67) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	JBTS6; MECKELIN; MGC26979; MKS3; TNEM67; meckelin
Accession No.	Q5HYA8
Uniprot	Q5HYA8
GeneID	91147;
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 TMEM67 in samples. An antibody specific for TMEM67 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMEM67 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM67 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 TMEM67 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TMEM67 localizes to the primary cilium and to the plasma membrane. The gene functions in centriole migration to the apical membrane and formation of the primary cilium. Multiple transcript variants encoding different isoforms have been found for this gene. Defects in this gene are a cause of Meckel syndrome type 3 (MKS3) and Joubert syndrome type 6 (JBTS6). The human TMEM67 gene encodes a 995-amino acid protein, which they authors called meckelin, with a calculated unglycosylated weight of 108 kD. Human and rat meckelin share 84% identity. Meckelin was predicted to contain a signal peptide, at least 2 cysteine-rich repeats, and a 490-residue extracellular region with 4 N-linked glycosylated sites, followed by 7 transmembrane domains and a 30-residue cytoplasmic tail.

Note: This product is for in vitro research use only