Human Transmembrane protein 54 (TMEM54) ELISA Kit

Catalog No: #EK6398

Package Size: #EK6398-1 48T #EK6398-2 96T

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

Description

Product Name	Human Transmembrane protein 54 (TMEM54) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	BCLP; CAC-1; CAC1; MGC10137; beta-casein-like protein
Accession No.	Q969K7
Uniprot	Q969K7
GeneID	113452;
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 TMEM54 in samples. An antibody specific for TMEM54 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMEM54 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM54 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 TMEM54 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Ubiquitously expressed in cancer cell lines.Cloning and characterization of a cDNA fragment coding beta-casein-like protein preferentially expressed in cervical adenocarcinoma cell line CAC-1.

One of eight new monoclonal antibodies generated, 12G2, specifically reacted not only with beta-casein, but also with human cervical adenocarcinoma cell line CAC-1. To identify the gene encoding the putative protein (BCLP) defined by monoclonal antibody (mAb) 12G2, a complementary DNA library was constructed. the inserted cDNA fragment that showed high homology to reported DNA sequences of unknown function in normal human placenta. BCLP was overexpressed or changed its structure by carcinogenesis.

Note: This product is for in vitro research use only