Mouse Transmembrane protein 66 (TMEM66) ELISA Kit

Catalog No: #EK6357

Package Size: #EK6357-1 48T #EK6357-2 96T

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

Description

Product Name	Mouse Transmembrane protein 66 (TMEM66) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FLJ22274; FOAP-7; HSPC035; MGC8721; XTP3;
Accession No.	Q8R3Q0
Uniprot	Q8R3Q0
GeneID	67887;
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 TMEM66 in samples. An antibody specific for TMEM66 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMEM66 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM66 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 TMEM66 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Transmembrane protein 66 play important roles in cell apoptosis and tumorigenesis. In order to investigate the function of TMEM66 gene, the transgenic mouse model containing the mutant TMEM66 gene was constructed in this study. The transgenic mice were generated by u-sing microinjection method and 312 injected zygotes were implanted into 13 foster mothers. The positive transgenic mice were confirmed by PCR and Southern blotting. Also, the stability of the transgene was confirmed by passage and the way of integration of the transgene was studied using inverse PCR method. In-verse PCR results indicated that the transgenic DNA fragment was integrated into the host ge-nome in a serial multi-copy manner. Therefore, the transgenic mice model containing the mutant TMEM66 gene was constructed successfully.

Note: This product is for in vitro research use only