

## Pig Transmembrane protein 59 (TMEM59) ELISA Kit

Catalog No: #EK6378



Package Size: #EK6378-1 48T #EK6378-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Pig Transmembrane protein 59 (TMEM59) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Pig (Sus scrofa; Porcine)
Other Names	RP4-758J24.2; C1orf8; FLJ42977; HSPC001; liver membrane-bound protein thymic dendritic cell-derived factor 1
Accession No.	Q2F7Z7
Uniprot	Q2F7Z7
GeneID	733610;
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 TMEM59 in samples. An antibody specific for TMEM59 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMEM59 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM59 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 TMEM59 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TMEM59 is a membrane bound protein that is localized to the Golgi apparatus. The precise function of TMEM59 is not known, however it has been demonstrated that expression of TMEM59 protein inhibits Golgi glycosylation of amyloid precursor protein (APP) and blocks APP cleavage by the  $\alpha$ - and  $\beta$ -amyloid precursor protein secretases and therefore inhibits formation of the beta amyloid peptide that forms amyloid plaques in Alzheimer's disease.Hematopoietic stem/progenitor cells (HSPCs) possess the potentials of self-renewal, proliferation, and differentiation toward different lineages of blood cells. Characterization of the gene expression profile in CD34(+) HSPCs may lead to a better understanding of the regulation of normal and pathological hematopoiesis.

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Note: This product is for in vitro research use only