Mouse Macoilin (TMEM57) ELISA Kit

Catalog No: #EK6384

Package Size: #EK6384-1 48T #EK6384-2 96T

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

Description

Product Name	Mouse Macoilin (TMEM57) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	RP3-469D22.2; FLJ10747; FLJ23007; MACOILIN;
Accession No.	Q7TQE6
Uniprot	Q7TQE6
GeneID	66146;
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 TMEM57 in samples. An antibody specific for TMEM57 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMEM57 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM57 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 TMEM57 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TMEM57 has 5 domains, including an N-terminal LAG1 domain and a central ERM-myosin filament domain. The LAG1 domain contains 3 putative transmembrane domains. In situ hybridization of mouse embryos showed that Tmem57 was brain specific.

It was primarily associated with postmigratory neurons and less so with neural proliferating cells, and Tmem57 expression was progressively downregulated during brain maturation. Fluorescence-tagged Tmem57 outlined the nuclear membrane when expressed in nonneuronal cells. In primary hippocampal neurons, Tmem57 was found in neurites and their terminals, and it partially colocalized with synapsin-1 (SYN1), a presynaptic marker.

Note: This product is for in vitro research use only