

Rat Transmembrane protein 59-like (TMEM59L) ELISA Kit

Catalog No: #EK6376

Orders: order@signalwayantibody.com

Package Size: #EK6376-1 48T #EK6376-2 96T

Support: tech@signalwayantibody.com

Description

| | |
|--------------------|--|
| Product Name | Rat Transmembrane protein 59-like (TMEM59L) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Rat (<i>Rattus norvegicus</i>) |
| Other Names | BSMAP; C19orf4; brain-specific membrane-anchored protein |
| Accession No. | Q5HZE8 |
| Uniprot | Q5HZE8 |
| Storage | <p>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.</p> <p>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).</p> |

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:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate TMEM59L in samples. An antibody specific for TMEM59L has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMEM59L present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM59L 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 TMEM59L bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:BSMAP, a novel protein expressed specifically in the brain whose gene is localized on chromosome 19p12. BSMAP encoding the full-length open reading frame. Northern blot analysis revealed that BSMAP mRNA is preferentially expressed at a high level in the brain. BSMAP has a putative transmembrane domain and is predicted to be a type-I membrane glycoprotein. Genomic sequence analysis revealed that the gene encoding BSMAP consists of eight exons spanning approximately 8 kb and lies 6 kb away from the gene encoding CLF-1 in a reverse orientation. Although no candidate genetic disorders were found to map either to this precise region of chromosome 19 or to the syntenic region of the mouse genome, the highly specific expression of BSMAP mRNA suggests a role for the protein in CNS function.

Note: This product is for in vitro research use only