Mouse Transmembrane protein 158 (TMEM158) ELISA Kit

Catalog No: #EK6449

Package Size: #EK6449-1 48T #EK6449-2 96T

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

Description

Product Name	Mouse Transmembrane protein 158 (TMEM158) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	BBP; DKFZp586E1621; RIS1; p40BBP; BINP receptor|Ras induced senescence 1|Ras-induced senescence 1|brain injury-derived neurotrophic peptide (BINP) binding protein|brain specific binding protein
Accession No.	Q6F5E0
Uniprot	Q6F5E0
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 TMEM158 in samples. An antibody specific for TMEM158 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMEM158 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM158 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 TMEM158 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Constitutive activation of the Ras pathway triggers an irreversible proliferation arrest reminiscent of replicative senescence. Transcription of this gene is upregulated in response to activation of the Ras pathway, but not under other conditions that induce senescence. RIS1 is similar to a rat cell surface receptor proposed to function in a neuronal survival pathway. RIS1 is not upregulated in association to any of the above-mentioned processes, but exclusively during Ras-senescence. Furthermore, RIS1 is also upregulated by the transcriptional factor Ets2, which is a known mediator of Ras-induced senescence. Interestingly, RIS1 is located at chromosomal position 3p21.3 and, more specifically, it is included in a short segment of just 1 Mb previously defined by other investigators for its tumor-suppressor activity.

Note: This product is for in vitro research use only