Mouse Transmembrane inner ear expressed protein (TMIE) ELISA Kit

Catalog No: #EK6341

Package Size: #EK6341-1 48T #EK6341-2 96T

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

Description

Product Name	Mouse Transmembrane inner ear expressed protein (TMIE) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DFNB6; transmembrane inner ear protein
Accession No.	Q8K467
Uniprot	Q8K467
GeneID	20776;
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 TMIE in samples. An antibody specific for TMIE has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMIE present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMIE 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 TMIE bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TMIE encodes a transmembrane inner ear protein. This gene is one of multiple genes responsible for recessive non-syndromic deafness (DFNB), also known as autosomal recessive nonsyndromic hearing loss (ARNSHL), the most common form of congenitally acquired inherited hearing impairment.

TMIE gene is expressed in many human tissues and encodes a transcript of approximately 2.5 kb. Repeated RACE experiments on cDNA from human retina and various other tissues yielded an approximately 1.7-kb transcript; no other TMIE transcripts were identified. Sequence analysis predicted an intracellular N terminus, 2 transmembrane regions separated by an extracellular loop, and an intracellular C terminus.

Note: This product is for in vitro research use only