Mouse Mitochondrial import receptor subunit TOM22 homolog (TOMM22) ELISA Kit

Catalog No: #EK6064

Package Size: #EK6064-1 48T #EK6064-2 96T

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

Description

Product Name	Mouse Mitochondrial import receptor subunit TOM22 homolog (TOMM22) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	1C9-2; MST065; MSTP065; TOM22; mitochondrial import receptor Tom22
Accession No.	Q9CPQ3
Uniprot	Q9CPQ3
GeneID	223696;
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 TOMM22 in samples. An antibody specific for TOMM22 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTOMM22 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOMM22 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 TOMM22 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The translocase of outer mitochondrial membrane (TOM) complex is a multisubunit complex involved in the recognition, unfolding, and translocation of preproteins from the cytosol into the mitochondria. The deduced 142-amino acid human protein, which is approximately 33% similar to the yeast proteins, contains an N-terminal negatively charged region, an internal hydrophobic transmembrane region, and a C-terminal region with a glutamine-rich segment. Immunoblot analysis and fluorescence microscopy showed expression of a 21-kD mitochondrial membrane protein with its N and C termini exposed to the cytosol and intermembrane space of the mitochondrial outer membrane, respectively.An association between the rat Tomm22 protein, which is 94% identical to the human protein, and Tomm40 was observed.

Note: This product is for in vitro research use only