Mouse TOM1-like protein 2 (TOM1L2) ELISA Kit

Catalog No: #EK6072

Package Size: #EK6072-1 48T #EK6072-2 96T

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

Description

Product Name	Mouse TOM1-like protein 2 (TOM1L2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FLJ32746; target of myb1-like 2
Accession No.	Q5SRX1
Uniprot	Q5SRX1
GeneID	216810;
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 TOM1L2 in samples. An antibody specific for TOM1L2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTOM1L2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOM1L2 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 TOM1L2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The protein import machinery of the mitochondrial outer membrane is comprised of a dynamic complex of proteins that mediates translocation of cytosolic precursor proteins into or across the membrane. Several proteins within this complex have been identified, such as Mas20p in yeast and MOM19 in Neurospora crassa .

The 145-amino acid human polypeptide shares high similarity with Mas20p and MOM19 within the N-terminal region, but exhibits only weak homology to the tetratricopeptide-repeat B domain that is found in the other 2 proteins. The authors showed that human Mas20p is targeted and inserted into the outer membrane of isolated rat heart mitochondria in the N(in)-to-C(cyto) orientation.

Note: This product is for in vitro research use only