

Mouse TOMM20-like protein 1 (TOMM20L) ELISA Kit

Catalog No: #EK6067



Package Size: #EK6067-1 48T #EK6067-2 96T

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Description

Product Name	Mouse TOMM20-like protein 1 (TOMM20L) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	UNQ9438; translocase of outer mitochondrial membrane 20 homolog type I
Accession No.	Q9D4V6
Uniprot	Q9D4V6
GeneID	75266;
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 μ L

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 TOMM20L in samples. An antibody specific for TOMM20L has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTOMM20L present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOMM20L 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 TOMM20L 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