Mouse TOM1-like protein 1 (TOM1L1) ELISA Kit

Catalog No: #EK6073

Package Size: #EK6073-1 48T #EK6073-2 96T

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

Description

Product Name	Mouse TOM1-like protein 1 (TOM1L1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	OK/KNS-CL.3; SRCASM; Src activating and signaling molecule|target of myb 1-like 1|target of myb1-like 1
Accession No.	Q923U0
Uniprot	Q923U0
GeneID	71943;
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 TOM1L1 in samples. An antibody specific for TOM1L1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTOM1L1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOM1L1 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 TOM1L1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Mice hypomorphic for Tom1l2 exhibited numerous infections and tumors compared to wild-type littermates. Associated with this increased risk for infection and tumor formation, apparently healthy Tom1l2 hypomorphs also had splenomegaly, elevated B- and T-cell counts, and an impaired humoral response, although at a reduced penetrance.
Furthermore, cellular localization studies showed that a Tom1l2-GFP fusion protein colocalizes with Golgi compartments, supporting the role of Tom1l2 in cellular trafficking, while molecular modeling and bioinformatic analysis of Tom1l2 illustrated a structural basis for a functional role in trafficking. These results indicate a role for Tom1l2 in the immune response and possibly in tumor suppression.

Note: This product is for in vitro research use only