Mouse Target of Myb protein 1 (TOM1) ELISA Kit

Catalog No: #EK6076

Package Size: #EK6076-1 48T #EK6076-2 96T

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

Description

Product Name	Mouse Target of Myb protein 1 (TOM1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CTA-286B10.4; FLJ33404; target of myb 1|target of myb1
Accession No.	O88746
Uniprot	O88746
GeneID	21968;
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 TOM1 in samples. An antibody specific for TOM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTOM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOM1 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 TOM1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The N-terminal domain of TOM1 shares sequence similarity with the N-terminal domains of human HGS , human STAM, and yeast VPS27, all of which are proteins associated with vesicular trafficking at the endosome.
By searching sequence databases using TOM1 as the query, Seroussi et al. (1999) identified TOM1L1 as another protein with an N-terminal domain similar to that of TOM1. The authors assembled the sequences of a group of human TOM1L1 ESTs into a contiguous cDNA encoding a deduced 476-amino acid protein. TOM1L1 shares 37% sequence identity with TOM1; its C-terminal domain is not similar to that of TOM1.

Note: This product is for in vitro research use only