

Rat Mitochondrial import receptor subunit TOM20 homolog (TOMM20) ELISA Kit

Catalog No: #EK6069

Orders: order@signalwayantibody.com

Package Size: #EK6069-1 48T #EK6069-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Rat Mitochondrial import receptor subunit TOM20 homolog (TOMM20) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	RP4-597N16.2; KIAA0016; MAS20; MGC117367; MOM19; TOM20; translocase of outer mitochondrial membrane 20 homolog translocase of outer mitochondrial membrane 20 homolog type II
Accession No.	Q62760
Uniprot	Q62760
GeneID	266601;
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 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 TOMM20 in samples. An antibody specific for TOMM20 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTOMM20 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOMM20 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 TOMM20 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TOMM20L Belongs to the Tom20 family.Tom20 is the master receptor for protein import into mitochondria. Analysis of motifs present in Tom20 sequences from fungi and animals found several highly conserved regions, including features of the transmembrane segment, the ligand-binding domain and functionally important flexible segments at the N terminus and the C terminus of the protein. Hidden Markov model searches of genome sequence data revealed novel isoforms of Tom20 in vertebrate and invertebrate animals. A three-dimensional comparative model of the novel type I Tom20, based on the structurally characterized type II isoform, shows important differences in the amino acid residues lining the ligand-binding groove, where the type I protein from animals is more similar to the fungal form of Tom20.

Note: This product is for in vitro research use only