

Rat Mitochondrial Import Receptor Subunit TOM20 Homolog (TOMM20) ELISA Kit | TOMM20 elisa kit

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CATALOG # AAA330181	REACTIVITY Rat
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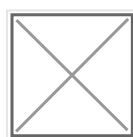
PRODUCT SYNONYMS

Mitochondrial Import Receptor Subunit TOM20 Homolog (TOMM20); Rat Mitochondrial Import Receptor Subunit TOM20 Homolog (TOMM20) ELISA Kit; RP4-597N16.2; KIAA0016; MAS20; MGC117367; MOM19; TOM20; translocase of outer mitochondrial membrane 20 homolog; translocase of outer mitochondrial membrane 20 homolog type; TOMM20 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Mitochondrial import receptor subunit TOM20 homolog (TOMM20) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TOMM20. No significant cross-reactivity or interference between Rat TOMM20 and analogues was observed.
Sequence Length	145
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat Mitochondrial import receptor subunit TOM20 homolog (TOMM20) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TOMM20 elisa kit	Description: This Rat Mitochondrial import receptor subunit TOM20 homolog (TOMM20) ELISA Kit 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 any TOMM20 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. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23097350
NCBI GeneID	266601
NCBI Accession #	NP_690918.1
NCBI GenBank Nucleotide #	NP_690918.1
UniProt Accession #	Q62760
NCBI Official Full Name	mitochondrial import receptor subunit TOM20 homolog
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 20
NCBI Official Symbol	Tomm20
NCBI Protein Information	mitochondrial import receptor subunit TOM20 homolog
UniProt Protein Name	Mitochondrial import receptor subunit TOM20 homolog
UniProt Gene Name	Tomm20
UniProt Entry Name	TOM20_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/mitochondrial-import-receptor-subunit-tom20-homolog-tomm20/330181>