

Rat Mitochondrial Import Receptor Subunit TOM40B (TOMM40L) ELISA Kit | TOMM40L elisa kit

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CATALOG # AAA330177	REACTIVITY Rat
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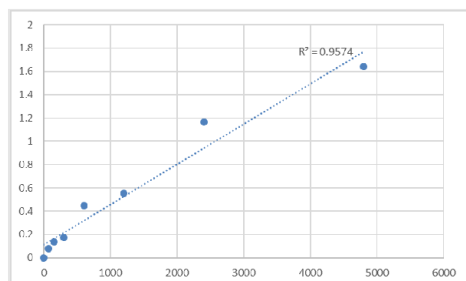
PRODUCT SYNONYMS

Mitochondrial Import Receptor Subunit TOM40B (TOMM40L); Rat Mitochondrial Import Receptor Subunit TOM40B (TOMM40L) ELISA Kit; TOMM40L; FLJ12770; RP11-297K8.10; TOMM40B; OTTHUMP00000032243; translocase of outer mitochondrial membrane 40 homolog-like; TOMM40L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Mitochondrial import receptor subunit TOM40B (TOMM40L) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TOMM40L. No significant cross-reactivity or interference between Rat TOMM40L and analogues was observed.
Sequence Length	308
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 TOM40B (TOMM40L) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TOMM40L elisa kit	Description: This Rat Mitochondrial import receptor subunit TOM40B (TOMM40L) ELISA Kit employs a two-site sandwich ELISA to quantitate TOMM40L in samples. An antibody specific for TOMM40L has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TOMM40L present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOMM40L 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 TOMM40L bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The fungal preprotein translocase of the mitochondrial outer membrane (TOM complex) comprises import receptors Tom70, Tom20, and Tom22, import channel Tom40, and small Tom proteins Tom5, Tom6, and Tom7, which regulate TOM complex assembly. These components are conserved in mammals; unlike the other components, however, Tom5 and Tom6 remain unidentified in mammals. These small Tom proteins are associated with Tom40 in the TOM complex. Knockdown of Tom7, but not Tom5 and Tom6, strongly compromised stability of the TOM complex. Conversely, knockdown of hTom40 decreased the level of all small Tom proteins. Matrix import of preprotein was affected by double knockdown of any combination of small Tom proteins. These results indicate that human small Tom proteins maintain the structural integrity of the TOM complex.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134053889
NCBI GeneID	304971
NCBI Accession #	NP_001076807.1
NCBI GenBank Nucleotide #	NP_001076807.1
UniProt Accession #	A4F267
NCBI Official Full Name	mitochondrial import receptor subunit TOM40B
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 40 like
NCBI Official Symbol	Tomm40l
NCBI Official Synonym Symbols	Tomm40b; RGD1562006
NCBI Protein Information	mitochondrial import receptor subunit TOM40B
UniProt Protein Name	Mitochondrial import receptor subunit TOM40B
UniProt Gene Name	Tomm40l
UniProt Synonym Gene Names	Tomm40b
UniProt Entry Name	TM40L_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.