

Rat Mitochondrial Import Receptor Subunit TOM34 (TOMM34) ELISA Kit | TOMM34 elisa kit

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CATALOG #
AAA330179

REACTIVITY
Rat

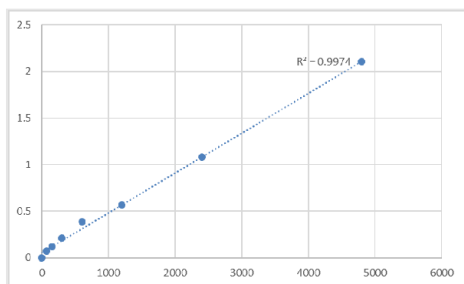
PRODUCT SYNONYMS

Mitochondrial Import Receptor Subunit TOM34 (TOMM34); Rat Mitochondrial Import Receptor Subunit TOM34 (TOMM34) ELISA Kit; HTOM34P; TOM34; URCC3; mitochondrial import receptor subunit TOM34; outer mitochondrial membrane translocase (34kD); TOMM34 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Mitochondrial import receptor subunit TOM34 (TOMM34) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TOMM34. No significant cross-reactivity or interference between Rat TOMM34 and analogues was observed.
Sequence Length	309
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 TOM34 (TOMM34) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TOMM34 elisa kit	Description: This Rat Mitochondrial import receptor subunit TOM34 (TOMM34) ELISA Kit employs a two-site sandwich ELISA to quantitate TOMM34 in samples. An antibody specific for TOMM34 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TOMM34 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOMM34 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 TOMM34 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TOMM40 is the channel-forming subunit of the translocase of the mitochondrial outer membrane (TOM) complex that is essential for protein import into mitochondria. The deduced protein contains 361 amino acids. Fractionation of rat liver detected Tomm40 within the mitochondrial fraction. Extraction and antibody-accessibility studies suggested that Tomm40 is embedded within the mitochondrial membrane. Tomm40 was associated with a 400-kD complex containing the mitochondrial import receptors Tom20 and Tom22 and several smaller components. Mitochondria-targeted preproteins interacted with the Tomm40-containing complex during their transit to the mitochondrial matrix, and immunodepletion of Tomm40 caused the loss of preprotein import activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112984308
NCBI GeneID	311621
NCBI Accession #	NP_001037709.1
NCBI GenBank Nucleotide #	NP_001037709.1
UniProt Accession #	Q3KRD5
NCBI Official Full Name	mitochondrial import receptor subunit TOM34
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 34
NCBI Official Symbol	Tomm34
NCBI Protein Information	mitochondrial import receptor subunit TOM34
UniProt Protein Name	Mitochondrial import receptor subunit TOM34
UniProt Gene Name	Tomm34
UniProt Entry Name	TOM34_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://www.aaabiotech.com/rat-elisa-kits/mitochondrial-import-receptor-subunit-tom34-tomm34/330179>