

Human Mitochondrial Import Receptor Subunit TOM5 Homolog (TOMM5) ELISA Kit | TOMM5 elisa kit

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CATALOG # AAA330383	REACTIVITY Human
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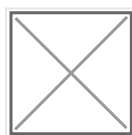
PRODUCT SYNONYMS

Mitochondrial Import Receptor Subunit TOM5 Homolog (TOMM5); Human Mitochondrial Import Receptor Subunit TOM5 Homolog (TOMM5) ELISA Kit; TOMM5; RP11-613M10.3; C9orf105; RP11-263I4.1; Tom5; bA613M10.3; mitochondrial outer membrane protein TOM5; translocase of outer mitochondrial membrane 5 homolog; TOMM5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mitochondrial import receptor subunit TOM5 homolog (TOMM5) ELISA Kit has high sensitivity and excellent specificity for detection of Human TOMM5. No significant cross-reactivity or interference between Human TOMM5 and analogues was observed.
Sequence Length	51
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. Human Mitochondrial import receptor subunit TOM5 homolog (TOMM5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TOMM5 elisa kit	Description: This Human Mitochondrial import receptor subunit TOM5 homolog (TOMM5) ELISA Kit employs a two-site sandwich ELISA to quantitate TOMM5 in samples. An antibody specific for TOMM5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TOMM5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOMM5 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 TOMM5 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 #	49169828
NCBI GeneID	401505
NCBI Accession #	NP_001001790.1
NCBI GenBank Nucleotide #	NP_001001790.1
UniProt Accession #	Q8N4H5
NCBI Official Full Name	mitochondrial import receptor subunit TOM5 homolog isoform 1
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 5
NCBI Official Symbol	TOMM5
NCBI Official Synonym Symbols	Tom5; C9orf105; bA613M10.3
NCBI Protein Information	mitochondrial import receptor subunit TOM5 homolog
UniProt Protein Name	Mitochondrial import receptor subunit TOM5 homolog
UniProt Gene Name	TOMM5
UniProt Synonym Gene Names	C9orf105; TOM5
UniProt Entry Name	TOM5_HUMAN

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.