

# Mouse Mitochondrial Import Receptor Subunit TOM22 Homolog (TOMM22) ELISA Kit | TOMM22 elisa kit

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| CATALOG #<br><b>AAA332089</b> | REACTIVITY<br><b>Mouse</b> |
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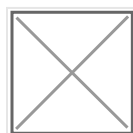
## PRODUCT SYNONYMS

Mitochondrial Import Receptor Subunit TOM22 Homolog (TOMM22); Mouse Mitochondrial Import Receptor Subunit TOM22 Homolog (TOMM22) ELISA Kit; 1C9-2; MST065; MSTP065; TOM22; mitochondrial import receptor Tom22; TOMM22 elisa kit

## PRODUCT SPECIFICATIONS

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| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Mouse Mitochondrial import receptor subunit TOM22 homolog (TOMM22) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TOMM22. No significant cross-reactivity or interference between Mouse TOMM22 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence Length         | 142                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## IMAGES



Standard Curve (Sample)

Fig.1. Mouse Mitochondrial import receptor subunit TOM22 homolog (TOMM22) Standard Curve.

ADDITIONAL INFORMATION

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| Related Product Information for TOMM22 elisa kit | <p>Description: This Mouse Mitochondrial import receptor subunit TOM22 homolog (TOMM22) ELISA Kit employs a two-site sandwich ELISA to quantitate TOMM22 in samples. An antibody specific for TOMM22 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TOMM22 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOMM22 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 TOMM22 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: The translocase of outer mitochondrial membrane (TOM) complex is a multisubunit complex involved in the recognition, unfolding, and translocation of preproteins from the cytosol into the mitochondria. The deduced 142-amino acid human protein, which is approximately 33% similar to the yeast proteins, contains an N-terminal negatively charged region, an internal hydrophobic transmembrane region, and a C-terminal region with a glutamine-rich segment. Immunoblot analysis and fluorescence microscopy showed expression of a 21-kD mitochondrial membrane protein with its N and C termini exposed to the cytosol and intermembrane space of the mitochondrial outer membrane, respectively. An association between the rat Tomm22 protein, which is 94% identical to the human protein, and Tomm40 was observed.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 31982091                                            |
| NCBI GeneID                      | 223696                                              |
| NCBI Accession #                 | NP_766197.2                                         |
| NCBI GenBank Nucleotide #        | NP_766197.2                                         |
| UniProt Accession #              | Q9CPQ3                                              |
| NCBI Official Full Name          | mitochondrial import receptor subunit TOM22 homolog |
| NCBI Official Synonym Full Names | translocase of outer mitochondrial membrane 22      |
| NCBI Official Symbol             | Tomm22                                              |
| NCBI Official Synonym Symbols    | Tom22; 2310047D01                                   |
| NCBI Protein Information         | mitochondrial import receptor subunit TOM22 homolog |
| UniProt Protein Name             | Mitochondrial import receptor subunit TOM22 homolog |
| UniProt Gene Name                | <b>Tomm22</b>                                       |
| UniProt Synonym Gene Names       | Tom22                                               |
| UniProt Entry Name               | TOM22_MOUSE                                         |

**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.