# TOMM70A Antibody (C-Term) Blocking Peptide

## PRODUCT OVERVIEW

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| **Product Name** | TOMM70A, Blocking Peptide |
| **Full Product Name** | TOMM70A Antibody (C-term) Blocking Peptide |
| **Product Gene Name** | TOMM70A blocking peptide |
| **Product Synonym Gene Name** | KIAA0719; TOM70 |
| **Product Synonym Names** | Mitochondrial import receptor subunit TOM70; Mitochondrial precursor proteins import receptor; Translocase of outer membrane 70 kDa subunit; TOMM70A; KIAA0719; TOM70 |
| **Form/Format** | Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml. |
| **Specificity** | The synthetic peptide sequence used to generate the antibody was selected from the C-term region of human TOMM70A. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay. |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C. |
| **Antibody/Peptide Pairs** | TOMM70A peptide (MBS9226306) is used for blocking the activity of TOMM70A antibody (MBS9211649) |
| **Molecular Weight** | 67,455 Da |
| **OMIM** | 606081 |
| **Cellular Location** | Mitochondrion outer membrane; Single-pass membrane protein |
| **Related Product Information for TOMM70A blocking peptide** | MBS9226306 is a blocking peptide targeting TOMM70A. Also known as TOMM70A Antibody (C-term) Blocking Peptide. Receptor that accelerates the import of all mitochondrial precursor proteins. |
| **Other Notes** | Small volumes of TOMM70A blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TOMM70A. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 14285643 |
| **NCBI GeneID** | 9868 |
| **NCBI Accession #** | O94826.1 |
| **UniProt Primary Accession #** | O94826 |
| **UniProt Secondary Accession #** | D3DN48 |
| **UniProt Related Accession #** | O94826 |
| **NCBI Official Full Name** | Mitochondrial import receptor subunit TOM70 |
| **NCBI Official Synonym Full Names** | translocase of outer mitochondrial membrane 70 |
| **NCBI Official Symbol** | TOMM70 |
| **NCBI Official Synonym Symbols** | Tom70; TOMM70A |
| **UniProt Protein Name** | Mitochondrial import receptor subunit TOM70 |

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| **UniProt Synonym Protein Names** | Mitochondrial precursor proteins import receptor; Translocase of outer membrane 70 kDa subunit; Translocase of outer mitochondrial membrane protein 70 |
| **UniProt Gene Name** | TOMM70 |
| **UniProt Entry Name** | TOM70_HUMAN |
| **NCBI Protein Information** | mitochondrial import receptor subunit TOM70 |
| **NCBI Summary for TOMM70A** | This gene encodes an import receptor of the outer mitochondrial membrane that is part of the translocase of the outer membrane complex. This protein is involved in the import of mitochondrial precursor proteins. [provided by RefSeq, Oct 2011] |
| **UniProt Comments for TOMM70A** | TOMM70A: Receptor that accelerates the import of all mitochondrial precursor proteins. Belongs to the Tom70 family.<br><br>Protein type: Mitochondrial; Membrane protein, integral; Receptor, protein translocating<br><br>Chromosomal Location of Human Ortholog: 3q12.2<br><br>Cellular Component: membrane; mitochondrial outer membrane; mitochondrial outer membrane translocase complex; mitochondrion<br><br>Molecular Function: protein binding; protein transmembrane transporter activity<br><br>Biological Process: macroautophagy; protein targeting to mitochondrion |
| **Research Articles on TOMM70A** | **1.** Collectively, this study characterizes a novel protein complex, Tom70/Hsp90/IRF3/Bax, that is important for Sendai virus-induced apoptosis. |
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