# Mouse TOMM22 Monoclonal Antibody | anti-TOMM22 antibody

TOMM22 (Translocase of Outer Membrane 22kD Subunit Homolog, Mitochondrial Import Receptor Subunit TOM22 Homolog, TOM22, hTom22, 1C9-2, MST065, MSTP065) (FITC)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA25277** | **Mouse** | **Human, Mouse, Rat** | **ELISA, Immunofluorescence, Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

TOMM22; Monoclonal Antibody; TOMM22 (Translocase of Outer Membrane 22kD Subunit Homolog; Mitochondrial Import Receptor Subunit TOM22 Homolog; TOM22; hTom22; 1C9-2; MST065; MSTP065) (FITC); anti-TOMM22 antibody

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | Mouse |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a,k |
| **Clone Number** | 4G4 |
| **Specificity** | Recognizes human TOMM22. Species Crossreactivity: mouse and rat. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC). |
| **Applicable Applications for anti-TOMM22 antibody** | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| **Application Notes** | IF: 10ug/ml<br>Applications are based on unconjugated antibody. |
| **Immunogen** | Full length recombinant corresponding to aa1-143 from human TOMM22 (AAH09363) with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | MAAAVAAAGAGEPQSPDELLPKGDAEKPEEELEEDDDEELDETLSERLWGLTEMFPERVRSAAGATFDLSLFVAQKMYRFSRAALWIGTTSFMILVLPVV |
| **Conjugate** | FITC |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are s the original vial after thawing and prior to removing the cap. |

## IMAGES

**WB (Western Blot)**
Western Blot analysis of TOMM22 expression in transfected 293T cell line by TOMM22 monoclonal antibody. Lane 1: TOMM22 transfected lysate (15.5kD). Lane 2: Non-transfected lysate.

**WB (Western Blot)**
TOMM22 monoclonal antibody. Western Blot analysis of TOMM22 expression in PC-12.

**WB (Western Blot)**
Western blot analysis of TOMM22 over-expressed 293 cell line, cotransfected with TOMM22 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with TOMM22 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

**Application Data**
Detection limit for recombinant GST tagged TOMM22 is 0.1ng/ml as a capture antibody.

**IF (Immunofluorescence)**
Immunofluorescence of monoclonal antibody to TOMM22 on HeLa cell. [antibody concentration 10ug/ml]

**IHC (Immunohistochemistry)**
Immunoperoxidase of monoclonal antibody to TOMM22 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3ug/ml].

## ADDITIONAL INFORMATION

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|---|---|
| **Product Categories/Family for anti-TOMM22 antibody** | Antibodies; Enzymes |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 39644866 |
| **NCBI GeneID** | 56993 |
| **Molecular Weight** | 15,522 Da |
| **NCBI Official Full Name** | Homo sapiens translocase of outer mitochondrial membrane 22 homolog (yeast), mRNA |
| **NCBI Official Synonym Full Names** | translocase of outer mitochondrial membrane 22 |
| **NCBI Official Symbol** | TOMM22 |
| **NCBI Official Synonym Symbols** | 1C9-2; TOM22; MST065; MSTP065 |
| **NCBI Protein Information** | mitochondrial import receptor subunit TOM22 homolog |

**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://stage.aaabiotech.com/monoclonal/tomm22-antibody-clone-4g4-immunofluorescence-immunohistochemistry-western-blot-elisa/25277