

Mouse anti-Human TIM50 Monoclonal Antibody | anti-TIM50 antibody

TIM50 (680) Mouse mAb

CATALOG # AAA62373	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot
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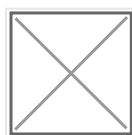
PRODUCT SYNONYMS

TIM50; Monoclonal Antibody; TIM50 (680) Mouse mAb; TIMM50(680) Mouse mAb; homolog of yeast Tim50; MGC102733; Mitochondrial import inner membrane translocase subunit TIM50; Tim50-like protein; TIM50L; TIMM50; translocase of inner mitochondrial membrane 50 homolog; translocase of inner mitochondrial membrane 50 homolog (S. cerevisiae); translocase of inner mitochondrial membrane 50 homolog (yeast); PRO1512; anti-TIM50 antibody

PRODUCT SPECIFICATIONS

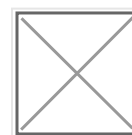
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	456
Applicable Applications for anti-TIM50 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human TIM50
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



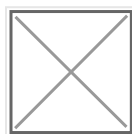
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling TIM50 with M25108 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP (Immunoprecipitation)

TIM50 was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25108 of 10 ug. Western blot was performed from the immunopre-cipitate using M25108 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.Predicted band size : 40 KDaObserved band size : 40 KDaBlocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-TIM50 antibody

Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane. Has some phosphatase activity in vitro; however such activity may not be relevant in vivo. Isoform 2 may participate in the release of snRNPs and SMN from the Cajal body.

Product Categories/Family for anti-TIM50 antibody

Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	48526509
NCBI GeneID	92609
NCBI Accession #	NP_001001563.1
NCBI GenBank Nucleotide #	NM_001001563.3
UniProt Accession #	Q3ZCQ8; Q330K1; Q6QA00; Q96FJ5; Q96GY2; Q9H370
Molecular Weight	Predicted MW: 40kDa
NCBI Official Full Name	mitochondrial import inner membrane translocase subunit TIM50 isoform 1
NCBI Official Synonym Full Names	translocase of inner mitochondrial membrane 50
NCBI Official Symbol	TIMM50
NCBI Official Synonym Symbols	MGCA9; TIM50; TIM50L
NCBI Protein Information	mitochondrial import inner membrane translocase subunit TIM50
UniProt Protein Name	Mitochondrial import inner membrane translocase subunit TIM50
UniProt Gene Name	TIMM50
UniProt Synonym Gene Names	TIM50

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/tim50-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62373>