

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

MIMIT Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62378	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

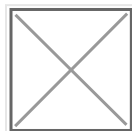
PRODUCT SYNONYMS

MIMIT; Monoclonal Antibody; MIMIT Mouse mAb; Mimitin /NDUFAF2 Mouse mAb; B17.2-like; B17.2L; B172-like; B172L; Mimitin; mitochondrial; MMTN; Myc-induced mitochondrial protein; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex; assembly factor 2; NADH dehydrogenase (ubiquinone) complex I; NADH dehydrogenase 1 alpha subcomplex assembly factor 2; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2; NDUFA12-like protein; NDUFA12L; NDUFAF2; mimitin; anti-MIMIT antibody

PRODUCT SPECIFICATIONS

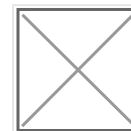
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	169
Applicable Applications for anti-MIMIT antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human MIMIT
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



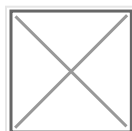
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling MIMIT with M25103 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)

MIMIT was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25103 of 10 ug. Western blot was performed from the immunopre-cipitate using M25103 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 : 20 KDaObserved band size : 20 KDaBlocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-MIMIT antibody	NADH:ubiquinone oxidoreductase (complex I) catalyzes the transfer of electrons from NADH to ubiquinone (coenzyme Q) in the first step of the mitochondrial respiratory chain, resulting in the translocation of protons across the inner mitochondrial membrane. This gene encodes a complex I assembly factor. Mutations in this gene cause progressive encephalopathy resulting from mitochondrial complex I deficiency.
Product Categories/Family for anti-MIMIT antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	29789409
NCBI GeneID	91942
NCBI Accession #	NP_777549.1
NCBI GenBank Nucleotide #	NM_174889.4
UniProt Accession #	Q8N183; A8K5I1
Molecular Weight	Predicted MW: 20kDa
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase complex assembly factor 2
NCBI Official Symbol	NDUFAF2
NCBI Official Synonym Symbols	MMTN; B17.2L; mimitin; NDUFA12L
NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2
UniProt Gene Name	NDUFAF2
UniProt Synonym Gene Names	NDUFA12L; MMTN1 PublicationManual assertion based on opinion iniRef.1

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/mimit-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62378>