

Mouse anti-Human MIC19 Monoclonal Antibody | anti-MIC19 antibody

MIC19 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62336	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

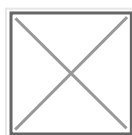
PRODUCT SYNONYMS

MIC19; Monoclonal Antibody; MIC19 Mouse mAb; CHCHD3; coiled-coil-helix-coiled-coil-helix domain containing 3; Coiled-coil-helix-coiled-coil-helix domain-containing protein 3; coiled-coil-helix-coiled-coil-helix domain-containing protein 3; mitochondrial; FLJ20420; MICOS complex subunit MIC19; mitochondrial inner membrane organizing system 3; protein phosphatase 1; regulatory subunit 22; MINOS3; PPP1R22; anti-MIC19 antibody

PRODUCT SPECIFICATIONS

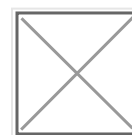
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	232
Applicable Applications for anti-MIC19 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human MIC19
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



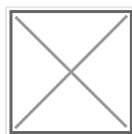
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling MIC19 with M25013 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)

MIC19 was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25013 of 10 ug. Western blot was performed from the immunopre-cipitate using M25013 at 1/2000 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.Blocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

All lanes : MIC19 Mouse mAb at 1/2000 dilution Lane 1 : Jurkat cells membrane fraction Lane 2 : THP1 cells membrane fraction Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Mouse IgG-HRP, 5% milk conjugated at 1/10000 dilution Predicted band size : 26 KDa Observed band size : 26 KDa Blocking/Dilution buffer : 1x TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-MIC19 antibody	The protein encoded by this gene is an inner mitochondrial membrane scaffold protein. Absence of the encoded protein affects the structural integrity of mitochondrial cristae and leads to reductions in ATP production, cell growth, and oxygen consumption. This protein is part of the mitochondrial contact site and cristae organizing system (MICOS). Several transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-MIC19 antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	953768340
NCBI GeneID	54927
NCBI Accession #	NP_001304106.1
NCBI GenBank Nucleotide #	NM_001317177.1
UniProt Accession #	Q9NX63
Molecular Weight	Predicted MW: 26kDa
NCBI Official Full Name	MICOS complex subunit MIC19 isoform 1
NCBI Official Synonym Full Names	coiled-coil-helix-coiled-coil-helix domain containing 3
NCBI Official Symbol	CHCHD3
NCBI Official Synonym Symbols	Mic19; MINOS3; PPP1R22
NCBI Protein Information	MICOS complex subunit MIC19
UniProt Protein Name	MICOS complex subunit MIC19
UniProt Gene Name	CHCHD3
UniProt Synonym Gene Names	MIC19; MINOS3

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/mic19-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62336>