

Mouse anti-Human MAN1 Monoclonal Antibody | anti-MAN1 antibody

MAN1 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62367	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

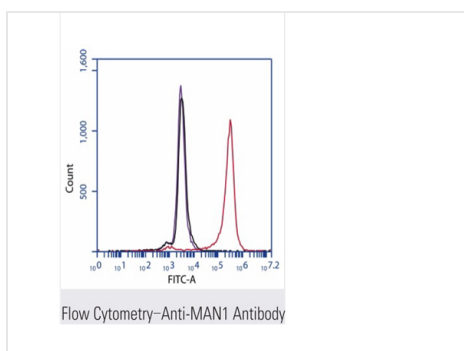
PRODUCT SYNONYMS

MAN1; Monoclonal Antibody; MAN1 Mouse mAb; Inner nuclear membrane protein Man1; integral inner nuclear membrane protein; integral inner nuclear membrane protein MAN1; LEM domain-containing protein 3; AI316861; LEMD3; anti-MAN1 antibody

PRODUCT SPECIFICATIONS

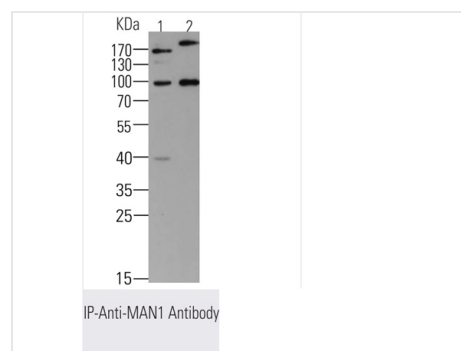
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	910
Applicable Applications for anti-MAN1 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human MAN1
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



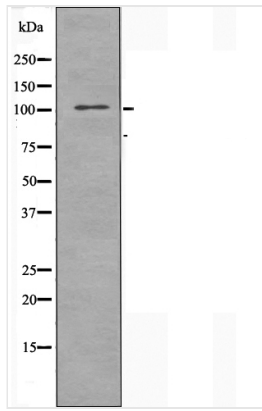
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling MAN1 with M25114 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)

MAN1 was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25114 of 10 ug. Western blot was performed from the immunopre-cipitate using M25114 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 : 100 KDaObserved band size : 100 KDaBlocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-MAN1 antibody	This locus encodes a LEM domain-containing protein. The encoded protein functions to antagonize transforming growth factor-beta signaling at the inner nuclear membrane. Two transcript variants encoding different isoforms have been found for this gene. Mutations in this gene have been associated with osteopoikilosis, Buschke-Ollendorff syndrome and melorheostosis.
Product Categories/Family for anti-MAN1 antibody	Cell Marker; Subcellular Marker; Nucleoplasm

NCBI AND UNIPROT INFORMATION

NCBI GI #	264681410
NCBI GeneID	23592
NCBI Accession #	NP_001161086.1
NCBI GenBank Nucleotide #	NM_001167614.1
UniProt Accession #	Q9Y2U8; Q9NT47; Q9NYA5
Molecular Weight	Predicted MW: 100kDa
NCBI Official Full Name	inner nuclear membrane protein Man1 isoform 2
NCBI Official Synonym Full Names	LEM domain containing 3
NCBI Official Symbol	LEMD3
NCBI Official Synonym Symbols	MAN1
NCBI Protein Information	inner nuclear membrane protein Man1
UniProt Protein Name	Inner nuclear membrane protein Man1
UniProt Gene Name	LEMD3
UniProt Synonym Gene Names	MAN1

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.