

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

MLX Mouse Monoclonal Antibody [Clone PCRP-MLX-1G8]

CATALOG # AAA215953	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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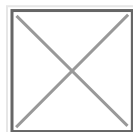
PRODUCT SYNONYMS

MLX; Monoclonal Antibody; MLX Mouse Monoclonal Antibody [Clone PCRP-MLX-1G8]; bHLHd13; Class D basic helix-loop-helix protein 13; MAD7; Max-like bHLHZip protein; Max-like protein X; MLXIP; MONDOA; MXD7; Protein BigMax; Protein Mlx; Transcription factor-like protein 4 (TCFL4); anti-MLX antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b
Clone Number	PCRP-MLX-1G8
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-MLX antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human MLX protein
Cellular Localization	Nucleus and cytoplasm
Positive Control	HeLa or MCF7 cells.
Hu-chromosome Location	17q21.2
Unigene	383019 & 714749
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of PFA-fixed HeLa cells. MLX Mouse Monoclonal Antibody (PCRP-MLX-1G8) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

ADDITIONAL INFORMATION

Related Product Information for anti-MLX antibody	Max is a nuclear localized bHLH-Zip protein that forms homodimers or heterodimers with Myc family members, including Myc, Mad1, Mad3, Mad4, Mxi1 and Mnt (or Rox). These dimers bind to the E-box sequence CACGTG in order to regulate cell growth, proliferation and apoptosis. Mlx (Max-like protein X) is a bHLH-Zip protein that is structurally and functionally related to Max. Like Max, Mlx is broadly expressed in many tissues and has a long half-life. Mlx also forms homodimers or heterodimers with members of the Myc family, specifically Mad1, Mad4 and Rox, and members of the Mondo family, to repress or activate transcription from CACGTG E-boxes. MondoA forms weak homodimers and preferentially forms heterodimers with Mlx. The MondoA/Mlx complex is primarily localized to the cytoplasm, but will translocate to the nucleus in response to leptomycin B. Mlx can also dimerize with WBSCR14, a protein involved in Williams-Beuren syndrome (WBS), to repress E-box transcription, which provides further evidence that Mlx is a critical element in a transcription factor network.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24586667
NCBI GeneID	6945
NCBI Accession #	NP_733752.1
NCBI GenBank Nucleotide #	NM_170607.2
UniProt Accession #	Q9UHQ2; Q53XM6; Q96FL2; Q9H2V0; Q9H2V1; Q9H2V2; Q9NXN3; A8K2J3; B2RAV8; B2RD73
Molecular Weight	33,300 Da
NCBI Official Full Name	max-like protein X isoform gamma
NCBI Official Synonym Full Names	MLX, MAX dimerization protein
NCBI Official Symbol	MLX
NCBI Official Synonym Symbols	MAD7; MXD7; TCFL4; bHLHD13
NCBI Protein Information	max-like protein X; BigMax protein; MAX-like bHLHZIP protein; transcription factor-like protein 4; class D basic helix-loop-helix protein 13
UniProt Protein Name	Max-like protein X
UniProt Gene Name	MLX
UniProt Synonym Gene Names	BHLHD13; TCFL4; bHLHD13
UniProt Entry Name	MLX_HUMAN

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/mlx-antibody-clone-pcrp-mlx-1g8-western-blot-immunofluorescence-flow-cytometry-elisa/215953>