

Mouse anti-Human N myc (and STAT) Interactor/NMI Monoclonal Antibody | anti-NMI antibody

N myc (and STAT) Interactor/NMI Mouse Monoclonal Antibody [Clone PCRP-NMI-1C1]

CATALOG # AAA216028	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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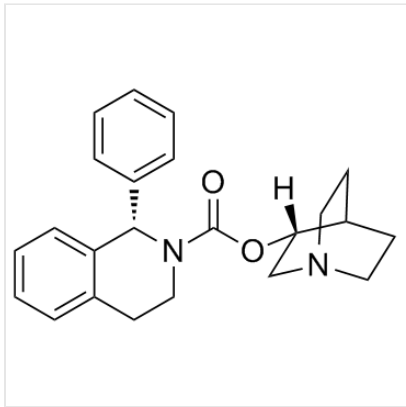
PRODUCT SYNONYMS

N myc (and STAT) Interactor/NMI; Monoclonal Antibody; N myc (and STAT) Interactor/NMI Mouse Monoclonal Antibody [Clone PCRP-NMI-1C1]; N myc (and STAT) interactor; N myc interactor; NMI; NMYC and STAT interactor; NMYC interactor; anti-NMI antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b
Clone Number	PCRP-NMI-1C1
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-NMI antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human NMI protein
Cellular Localization	Nucleus
Positive Control	HeLa or K562 cells.
Hu-chromosome Location	2q23.3
Unigene	54483
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. NMI Mouse Monoclonal Antibody (PCRP-NMI-1C1) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

ADDITIONAL INFORMATION

Related Product Information for anti-NMI antibody	Nmi (for N-Myc interactor) is an interferon inducible protein that associates with multiple transcription factors, including c-Myc, n-Myc, Max, and c-Fos, which contain bHLH-ZIP, bHLH, or Zip domains. Nmi is ubiquitously expressed at low levels throughout various fetal and adult tissues and at higher levels in myeloid leukemias and cell lines overexpressing c-Myc. In addition to binding Myc proteins, Nmi also associates with the Stat family of transcription factors, where it enhances Stat-dependent transcription. Although Nmi lacks an intrinsic DNA binding or activation domain, Nmi enhances the transcriptional activity of the Stat proteins, in response to cytokine stimulation, by recruiting the Stat1 and Stat5 transcriptional coactivators, CREB-binding protein (CBP) and p300. In vitro studies indicate that Nmi, expressed in conjunction with CBP, enhances the transcriptional responsiveness of Stat5 to IL-2 stimulation five-fold over CBP alone by increasing the affinity of Stat proteins for CBP/p300.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	188219599
NCBI GeneID	9111
NCBI Accession #	NP_004679.2
NCBI GenBank Nucleotide #	NM_004688.2
UniProt Accession #	Q13287; Q53TI8; Q9BVE5; B5BU69
Molecular Weight	35,057 Da
NCBI Official Full Name	N-myc-interactor
NCBI Official Synonym Full Names	N-myc (and STAT) interactor
NCBI Official Symbol	NMI
NCBI Protein Information	N-myc-interactor; N-myc interactor
UniProt Protein Name	N-myc-interactor
UniProt Gene Name	NMI
UniProt Synonym Gene Names	Nmi
UniProt Entry Name	NMI_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.

