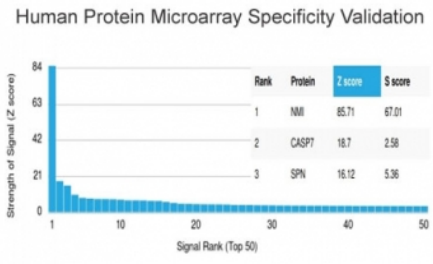
N-Myc Interactor Antibody / NMI / N-myc and STAT interactor [clone PCRP-NMI-1C1] (V9219)

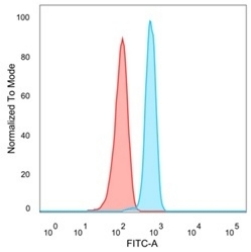
Catalog No.	Formulation	Size
V9219-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9219-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9219SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

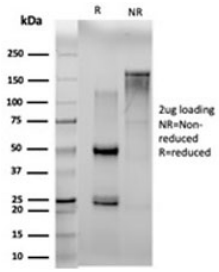
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-NMI-1C1
Purity	Protein A/G affinity
UniProt	Q13287
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells
Limitations	This N-Myc Interactor antibody is available for research use only.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using N-Myc Interactor antibody (clone PCRP-NMI-1C1). These results demonstrate the foremost specificity of the PCRP-NMI-1C1 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



FACS staining of PFA-fixed human HeLa cells with N-Myc Interactor antibody (blue, clone PCRP-NMI-1C1), and unstained cells (red).



SDS-PAGE analysis of purified, BSA-free N-Myc Interactor antibody (clone PCRP-NMI-1C1) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the N-Myc Interactor antibody should be determined by the researcher.

Immunogen

Recombinant full-length human N-Myc Interactor protein was used as the immunogen for the N-Myc Interactor antibody.

Storage

Aliquot the N-Myc Interactor antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com