

MXI1 Antibody

Mouse Monoclonal Antibody [Clone PCR-P-MXI1-1A3]

Catalog No	Format	Size
4601-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4601-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4601-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

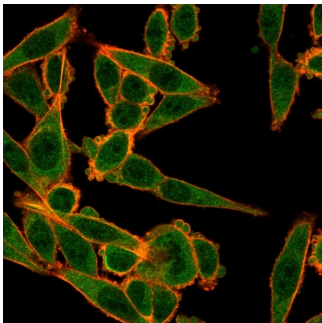
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

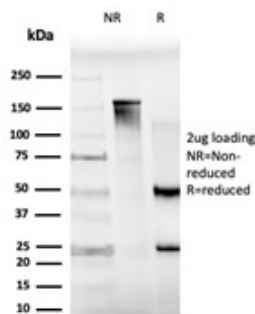
Clone	PCR-P-MXI1-1A3
Gene Name	MXI1
Immunogen	Recombinant full-length human MXI1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	26/22/33/21 kDa (isoforms)
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa or K562 cells.

*Optimal dilution for a specific application should be determined.

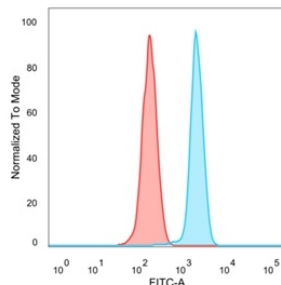
Product Images for MXI1 Antibody



Immunofluorescence analysis of PFA-fixed HeLa cells. MXI1 Mouse Monoclonal Antibody (PCR-P-MXI1-1A3)



SDS-PAGE Analysis of Purified MXI1 Mouse Monoclonal Antibody (PCR-P-MXI1-1A3). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of PFA-fixed HeLa cells. MXI1 Mouse Monoclonal Antibody (PCRP-MXI1-1A3) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Analysis of Protein Array containing more than 19,000 full-length human proteins using MXI1 Mouse Monoclonal Antibody (PCRP-MXI1-1A3). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Specificity & Comments

It is now well established that Myc regulation of cell proliferation and differentiation involves a family of related transcription factors. One such factor, Max, is an obligate heterodimeric partner for Myc and can also form heterodimers with at least four related proteins designated Mad 1, Mxi1 (also designated Mad 2), Mad 3 and Mad 4. Like Mad 1 and Mxi1, association of Mad 3 and Mad 4 with Max results in transcriptional repression. Both Myc and the Mad proteins have short half-lives and their synthesis is tightly regulated, while Max expression is constitutive and relatively stable. Two related mammalian cDNAs have been identified and shown to encode Mad-binding proteins. Both possess sequence homology with the yeast transcription repressor Sin3 including four conserved paired amphipathic helix (PAH) domains. mSin3A and mSin3B specifically interact with the Mad proteins via their second paired amphipathic helix domain (PAH2). It has been suggested that Mad-Max heterodimers repress transcription by tethering mSin3 to DNA as corepressors.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

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.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Nuclear Marker