L-Myc / MYCL1 (Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone PCRP-MYCL-2D5]

Catalog No	Format	Size
4610-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4610-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4610-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

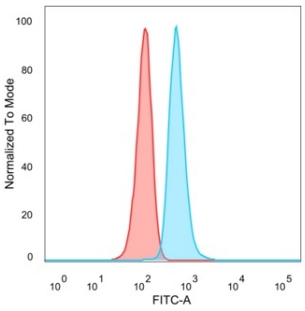
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

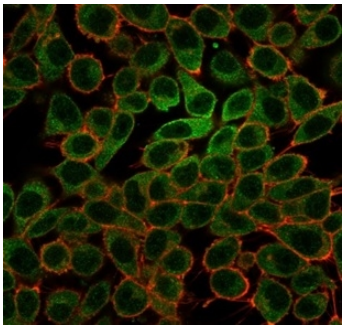
Clone	PCRP-MYCL-2D5
Gene Name	MYCL
Immunogen	Recombinant full-length human MYCL protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	40.33kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa cells. Human small cell lung carcinoma.

**Optimal dilution for a specific application should be determined.*

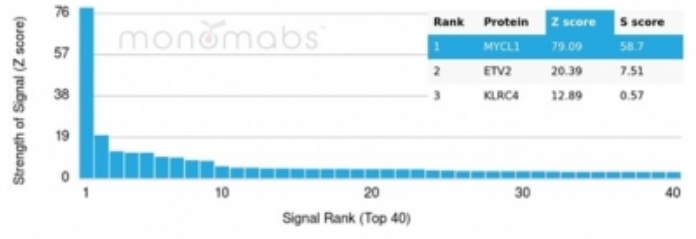
Product Images for L-Myc / MYCL1 (Transcription Factor) Antibody



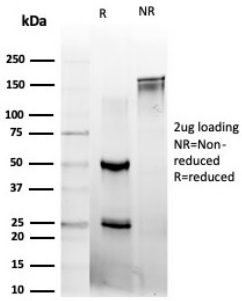
Flow cytometric analysis of PFA-fixed HeLa cells. L-Myc / MYCL Mouse Monoclonal Antibody (PCRP-MYCL-2D5) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



Immunofluorescence Analysis of PFA-fixed HeLa cells stained using L-Myc / MYCL Mouse Monoclonal Antibody (PCRP-MYCL-2D5) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing L-Myc / MYCL-Monospecific Mouse Monoclonal Antibody (PCRP-MYCL-2D5). 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 HuProtTM 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 HuProtTM 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 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.



SDS-PAGE Analysis of Purified L-Myc / MYCL Mouse Monoclonal Antibody (PCRP-MYCL-2D5). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

Oncogene-encoded proteins c-Myc, N-Myc, and L-Myc function in cell proliferation, differentiation and neoplastic disease. Amplification of the c-Myc gene has been found in several types of human tumors, the N-Myc gene in neuroblastomas, and the L-Myc gene in human small cell lung carcinomas. c-Myc protein is a transcription factor localized to the nucleus of the cell. It seems to be involved in activating the transcription of growth-related genes. c-Myc binds to DNA during transcription as a heterodimeric complex with Max. c-Myc is phosphorylated in vitro by p44/42 MAP kinase at Ser62 and in vivo at both Thr58 and Ser62. Mutation of Thr58 and Ser62 to Ala inhibits the ability of c-Myc to activate transcription.

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

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.