MEF2B (Transcriptional Activator) Antibody

Mouse Monoclonal Antibody [Clone PCRP-MEF2B-2F9]

Catalog No	Format	Size
100271849-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
100271849-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
100271849-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

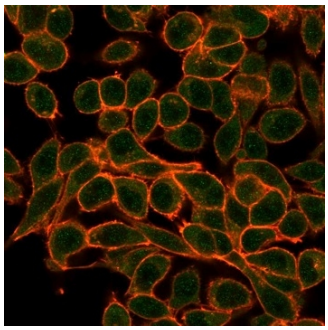
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

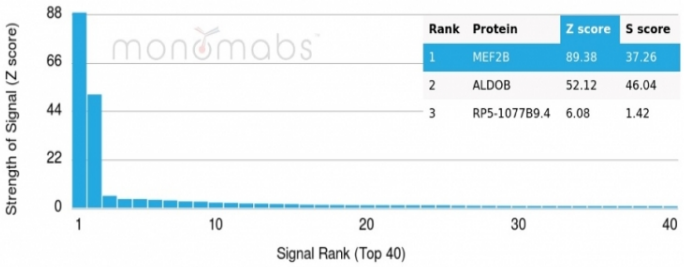
Clone	PCRP-MEF2B-2F9
Gene Name	MEF2B
Immunogen	Recombinant full-length human MEF2B protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	160kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa or Ramos cells.

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

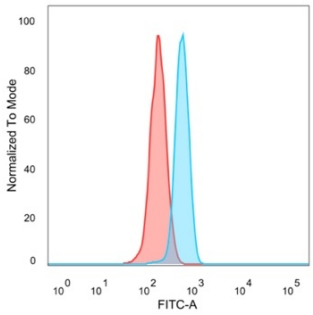
Product Images for MEF2B (Transcriptional Activator) Antibody



Immunofluorescence analysis of PFA-fixed HeLa cells. MEF2B Mouse Monoclonal Antibody (PCRP-MEF2B-2F9) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing MEF2B-Monospecific Mouse Monoclonal Antibody (PCRP-MEF2B-2F9). 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.



Flow cytometric analysis of PFA-fixed HeLa cells. MEF2B Mouse Monoclonal Antibody (PCRP-MEF2B-2F9) followed by goat anti-mouse IgG-CF488 (blue), unstained cells (red).

Specificity & Comments

The myocyte enhancer factor-2 (MEF-2) family of transcription factors associate with co-repessors or co-activators to regulate development and function of T cells, neuronal cells, and muscle cells. Four family members, termed MEF-2A, -2B, -2C, and -2D, arise from alternatively spliced transcripts. These members bind as homo- and heterodimers to the MEF-2 site in the promoter region of affected genes. Differential regulation in the expression of the four transcripts implies functional distinction for each during embryogenesis and development. The process of differentiation from mesodermal precursor cells to myoblasts has led to the discovery of a variety of tissue-specific factors that regulate muscle gene expression. The myogenic basic helix-loop-helix proteins, including MyoD, myogenin, Myf-5, and MRF4, are one class of identified factors. The MEF-2 family represents a second class of DNA binding regulatory proteins. Each of these proteins binds to the MEF-2 target DNA sequence present in the regulatory regions of many muscle-specific genes.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% 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.

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.