

## Anti-MEF2B Antibody [PCRP-MEF2B-2F9] (A277524)

### Specifications:

Name:	Anti-MEF2B Antibody [PCRP-MEF2B-2F9]
Description:	Mouse monoclonal [PCRP-MEF2B-2F9] antibody to MEF2B.
Specificity:	The myocyte enhancer factor-2 (MEF-2) family of transcription factors associate with co-repressors 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.
Applications:	IP, WB, Flow Cytometry, IF
Recommended Dilutions:	IP: 1-2 $\mu$ g / 100-500 $\mu$ g proteins, WB: 1-2 $\mu$ g/ml, Flow Cytometry: 1-2 $\mu$ g/million cells, IF: 1-2 $\mu$ g/ml
Reactivity:	Human
Immunogen:	Recombinant full-length human MEF2B protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PCRP-MEF2B-2F9
Isotype:	IgG2a
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 $\mu$ g/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

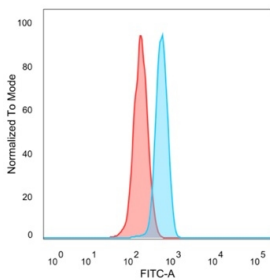
## Anti-MEF2B Antibody [PCRP-MEF2B-2F9] (A277524)

### Specifications continued:

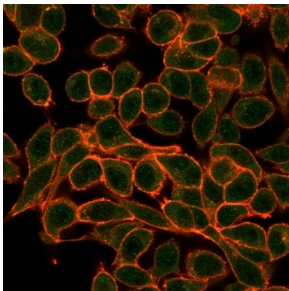
**General Notes:** This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-MEF2B Antibody [PCRP-MEF2B-2F9] - BSA and Azide free (A278112).

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

### Images:



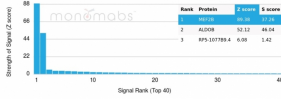
Flow cytometric analysis of PFA-fixed HeLa cells using Anti-MEF2B Antibody [PCRP-MEF2B-2F9] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Unstained cells (Red).



Immunofluorescent analysis of PFA-fixed HeLa cells stained with Anti-MEF2B Antibody [PCRP-MEF2B-2F9] followed by Goat Anti-Mouse IgG (CF® 488) (Green). CF® 640A Phalloidin (Red).

## Anti-MEF2B Antibody [PCRP-MEF2B-2F9] (A277524)

Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-MEF2B Antibody [PCRP-MEF2B-2F9]. Z-Score 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.