E4F1 Antibody

Mouse Monoclonal Antibody [Clone PCRP-E4F1-2D1]

Catalog No	Format	Size
1877-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1877-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1877-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

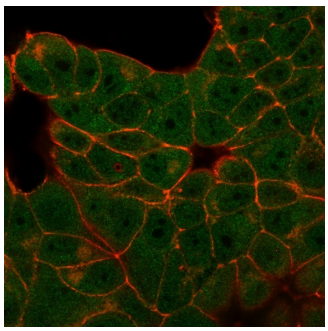
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

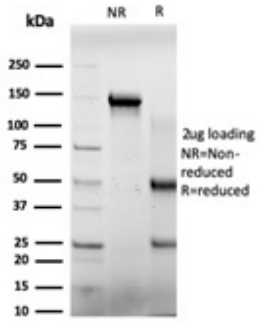
Clone	PCRP-E4F1-2D1
Gene Name	E4F1
Immunogen	Recombinant full-length human E4F1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	83kDa
Cellular Localization	Cytoplasm, Nucleoplasm, Nucleus
Species Reactivity	Human
Positive Control	HeLa, Jurkat or MCF7 cells.

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

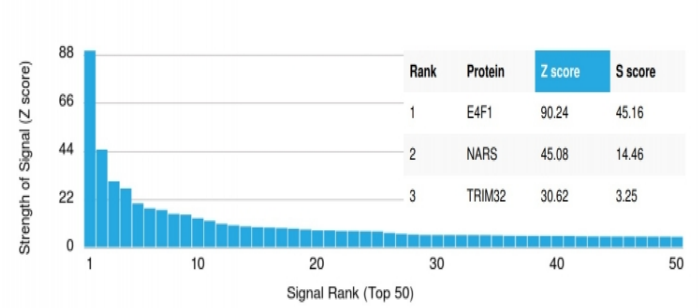
Product Images for E4F1 Antibody



Immunofluorescence Analysis of PFA-fixed MCF7 cells. E4F1 Mouse Monoclonal Antibody (PCRP-E4F1-2D1) followed by goat anti-mouse IgG-CF488 (green); counterstain phalloidin (red).

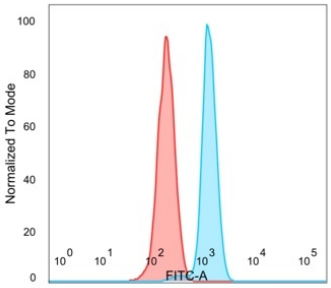


SDS-PAGE Analysis of Purified E4F1 Mouse Monoclonal Antibody (PCRP-E4F1-2D1). Confirmation of Purity and Integrity of Antibody.



Rank	Protein	Z score	S score
1	E4F1	90.24	45.16
2	NARS	45.08	14.46
3	TRIM32	30.62	3.25

Analysis of Protein Array containing more than 19,000 full-length human proteinsusing E4F1 Mouse Monoclonal Antibody (PCRP-E4F1-2D1). 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. E4F1 Mouse Monoclonal Antibody (PCRP-E4F1-2D1) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

E4F1 (E4F transcription factor 1), also known as E4F, is a 784 amino acid protein that localizes to both the nucleus and the cytoplasm and contains 9 C2H2-type zinc fingers. Expressed ubiquitously in adult and fetal tissues, E4F1 exists as a homodimer that binds DNA and is thought to act as a transcriptional repressor and may also play a role in cell survival and growth via cell cycle control. Additionally, E4F1 is thought to function as a ubiquitin ligase that mediates the ubiquitination (and subsequent degradation) of target proteins and may be involved in the p53 tumor suppressor pathway. E4F1, which may be post-translationally phosphorylated or sumoylated, is subject to proteolytic cleavage which results in the creation of a short peptide with specific DNA binding capabilities.

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.

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.