

ZBED1 / DREF Antibody

Mouse Monoclonal Antibody [Clone PCR-P-ZBED1-1E1]

Catalog No	Format	Size
9189-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9189-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9189-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

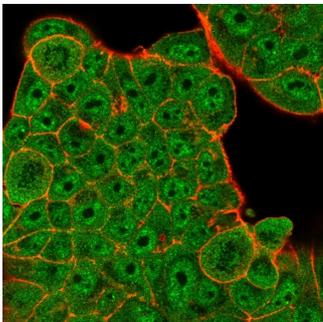
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

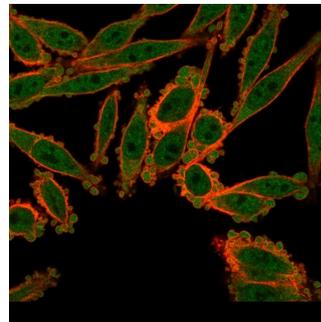
Clone	PCR-P-ZBED1-1E1
Gene Name	ZBED1
Immunogen	Recombinant full-length human ZBED1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	86kDa
Cellular Localization	Nucleus, PML body
Species Reactivity	Human
Positive Control	HeLa or HepG2 cells.

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

Product Images for ZBED1 / DREF Antibody



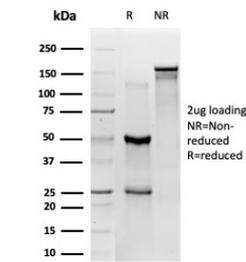
Immunofluorescence Analysis of PFA-fixed MCF-7 cells using ZBED1 / DREF Mouse Monoclonal Antibody (PCR-P-ZBED1-1E1) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



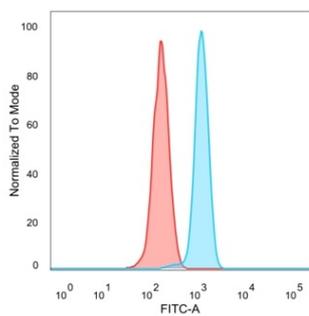
Immunofluorescence Analysis of PFA-fixed HeLa cells using ZBED1 / DREF Mouse Monoclonal Antibody (PCR-P-ZBED1-1E1) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



Analysis of Protein Array containing more than 19,000 full-length human proteins using ZBED1 / DREF Mouse Monoclonal Antibody (PCRP-ZBED1-1E1). 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.



SDS-PAGE Analysis. Purified ZBED1 Mouse Monoclonal Antibody (PCRP-ZBED1-1E1). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of PFA-fixed HeLa cells. ZBED1 / DREF Mouse Monoclonal Antibody (PCRP-ZBED1-1E1) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

ZBED1 (zinc finger BED domain-containing protein 1), also known as ALTE (Ac-like transposable element), DREF or TRAMP, is a 694 amino acid protein that localizes specifically to granular structures within the nucleus. Expressed ubiquitously at low levels and present at higher levels in heart, placenta, spleen and skeletal muscle, ZBED1 is thought to function as a transcription factor that regulates a number of ribosomal protein (RP) encoding genes, thereby playing a role in the cell cycle and in cell proliferation events. ZBED1 contains one BED-type zinc finger and binds specifically to 5'-TGTCG[CT]GA[CT]A-3' DNA regions found in RP promoters. Additionally, ZBED1 binds strongly to the promoter region of Histone H1 (a protein required for the condensation of nucleosomes into higher order structures), subsequently activating H1 transcription.

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.