

## Anti-ZBED1 Antibody [PCRP-ZBED1-1E1] (A250510)

### Specifications:

Name:	Anti-ZBED1 Antibody [PCRP-ZBED1-1E1]
Description:	Mouse monoclonal [PCRP-ZBED1-1E1] antibody to ZBED1.
Specificity:	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 DNA regions found in RP promoters. Additionally, ZBED1 binds strongly to the promotor region of Histone H1 (a protein required for the condensation of nucleosomes into higher order structures), subsequently activating H1 transcription.
Applications:	Flow Cytometry, IF, WB
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, WB: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant full-length human ZBED1 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PCRP-ZBED1-1E1
Isotype:	IgG2a
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/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.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-ZBED1 Antibody [PCRP-ZBED1-1E1] - BSA and Azide free (A253690).

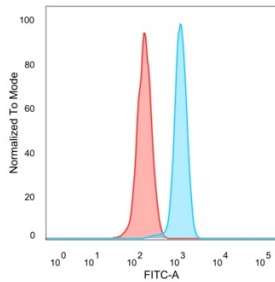
## Anti-ZBED1 Antibody [PCRP-ZBED1-1E1] (A250510)

### Specifications continued:

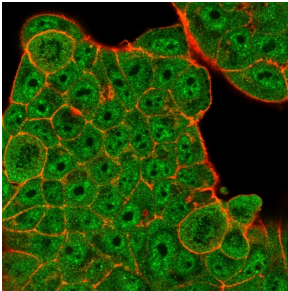
Disclaimer:

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

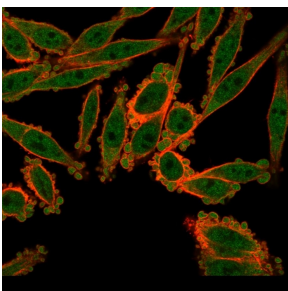
### Images:



Flow cytometric analysis of PFA fixed HeLa cells using Anti-ZBED1 Antibody [PCRP-ZBED1-1E1] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Unstained cells (red).



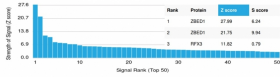
Immunofluorescent analysis of PFA fixed MCF-7 cells stained with Anti-ZBED1 Antibody [PCRP-ZBED1-1E1] followed by Goat Anti-Mouse IgG (CF® 488) (Green). Counterstain is Phalloidin-CF® 640A (Red).



Immunofluorescent analysis of PFA fixed HeLa cells stained with Anti-ZBED1 Antibody [PCRP-ZBED1-1E1] followed by Goat Anti-Mouse IgG (CF® 488) (Green). Counterstain is Phalloidin-CF® 640A (Red).

## Anti-ZBED1 Antibody [PCRP-ZBED1-1E1] (A250510)

Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-ZBED1 Antibody [PCRP-ZBED1-1E1]. 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.