

## TRIM27 Antibody

Mouse Monoclonal Antibody [Clone PCRP-TRIM27-1B3]

Catalog No	Format	Size
5987-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5987-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5987-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

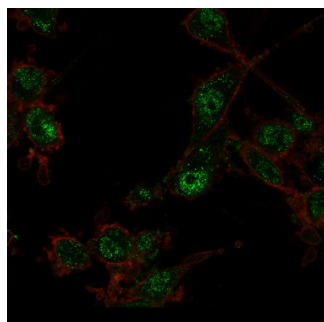
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

### Product Details

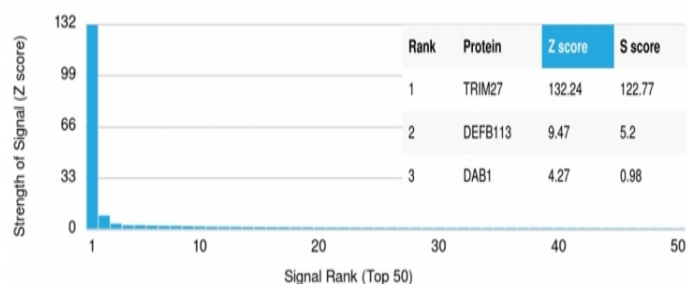
Clone	PCRP-TRIM27-1B3
Gene Name	TRIM27
Immunogen	Recombinant full-length human TRIM27 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	58.49kDa
Cellular Localization	Cytoplasm, Early endosome, Nucleus, PML body
Species Reactivity	Human
Positive Control	HeLa, U87 or Raji cells.

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

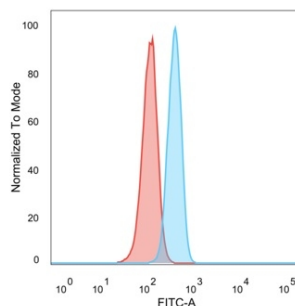
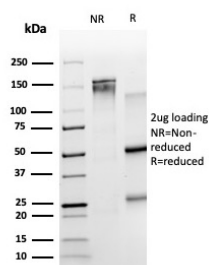
### Product Images for TRIM27 Antibody



Immunofluorescence Analysis of PFA-fixed U87 cells using TRIM27 Mouse Monoclonal Antibody (PCRP-TRIM27-1B3) 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 TRIM27 Mouse Monoclonal Antibody (PCRP-TRIM27-1B3). 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 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 TRIM27 Mouse Monoclonal Antibody (PCRP-TRIM27-1B3). Confirmation of Purity and Integrity of Antibody.

Flow Cytometric Analysis of PFA-fixed HeLa cells. TRIM27 Mouse Monoclonal Antibody (PCRP-TRIM27-1B3) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

### Specificity & Comments

Defects in TRIM27 are a cause of thyroid papillary carcinoma (TPC) [MIM:188550]. TPC is a common tumor of the thyroid that typically arises as an irregular, solid or cystic mass from otherwise normal thyroid tissue. Papillary carcinomas are malignant neoplasm characterized by the formation of numerous, irregular, finger-like projections of fibrous stroma that is covered with a surface layer of neoplastic epithelial cells. Note=A chromosomal aberration involving TRIM27/RFP is found in thyroid papillary carcinomas. Translocation t(6;10)(p21.3;q11.2) with RET. The translocation generates TRIM27/RET and delta TRIM27/RET oncogenes.

### 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.

### Research Areas

Infectious Disease, Signal Transduction

### 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.