

## Anti-PRMT7 Antibody [PCRP-PRMT7-1A4] (A277755)

### Specifications:

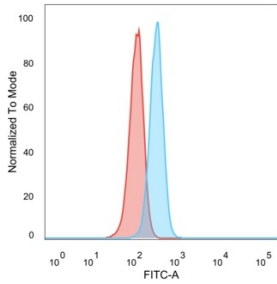
Name:	Anti-PRMT7 Antibody [PCRP-PRMT7-1A4]
Description:	Mouse monoclonal [PCRP-PRMT7-1A4] antibody to PRMT7.
Specificity:	Arginine methylation is an irreversible protein modification catalyzed by Arginine methyltransferases, such as PRMT7, which uses S-adenosylmethionine (AdoMet) as the methyl donor. Arginine methylation is implicated in signal transduction, RNA transport and RNA splicing. PRMT7 has two methyltransferase domains, each containing a putative AdoMet-binding motif. The N-terminal methyltransferase domain closely resembles the catalytic core of PRMT5, and the C-terminal domain is most similar to that of PRMT1. Three PRMT7 splice variants have been identified by database analysis. PRMT7 is localized to the nucleus and cytoplasm and moderate expression is observed in adult brain and lung tissues.
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
Cross Reactivity:	This antibody is predicted to cross react with Rat.
Immunogen:	Recombinant full-length human PRMT7 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PCRP-PRMT7-1A4
Isotype:	IgG1
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.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-PRMT7 Antibody [PCRP-PRMT7-1A4] - BSA and Azide free (A278343).

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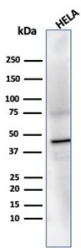
## Specifications continued:

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

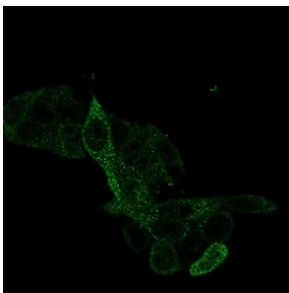
## Images:



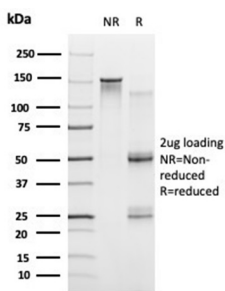
Flow cytometric analysis of PFA-fixed HeLa cells using Anti-PRMT7 Antibody [PCRP-PRMT7-1A4] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Unstained cells (Red).



Western blot analysis of HeLa cell line lysate using Anti-PRMT7 Antibody [PCRP-PRMT7-1A4].



Immunofluorescent analysis of PFA-fixed HeLa cells stained with Anti-PRMT7 Antibody [PCRP-PRMT7-1A4] followed by Goat Anti-Mouse IgG (CF® 488) (Green).



SDS-PAGE analysis of Anti-PRMT7 Antibody [PCRP-PRMT7-1A4] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.