PRMT7 Antibody

Mouse Monoclonal Antibody [Clone PCRP-PRMT7-1A7]

Catalog No	Format	Size
54496-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
54496-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
54496-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

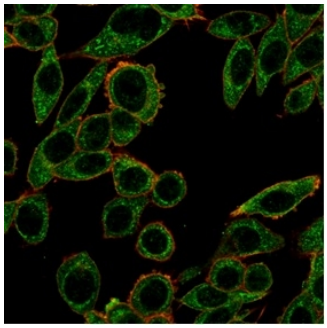
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

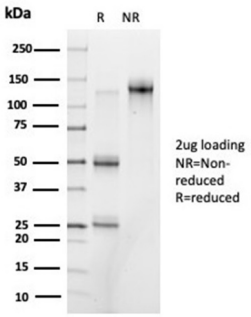
Clone	PCRP-PRMT7-1A7
Gene Name	PRMT7
Immunogen	Recombinant full-length human PRMT7 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	78.46kDa
Cellular Localization	Cytoplasm, Cytosol, Nucleus
Species Reactivity	Human
Positive Control	HeLa, MCF7 or HepG2 cells.

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

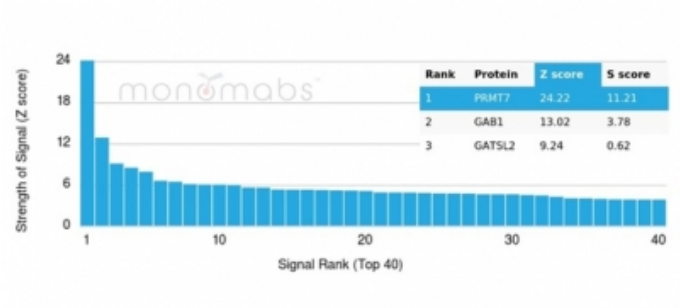
Product Images for PRMT7 Antibody



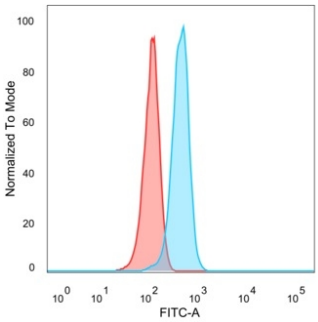
Immunofluorescence Analysis of PFA-fixed HeLa cells stained using PRMT7 Mouse Monoclonal Antibody (PCRP-PRMT7-1A7) followed by goat anti-mouse IgG-CF488 (green). CF640R phalloidin (red).



SDS-PAGE Analysis. Purified PRMT7 Mouse Monoclonal Antibody (PCRP-PRMT7-1A7). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteins using PRMT7 Mouse Monoclonal Antibody (PCRP-PRMT7-1A7). 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. PRMT7 Mouse Monoclonal Antibody (PCRP-PRMT7-1A7) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

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.

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

Nuclear Marker

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.