

## Mouse Monoclonal Antibody to CARM1

Catalogue Number	sAP-0505
Target Molecule	<b>Name:</b> CARM1 <b>Aliases:</b> PRMT4; CARM1 <b>MW:</b> 65kDa <b>Entrez Gene ID: 10498</b>
Description	Protein arginine N-methyltransferases, such as CARM1, catalyze the transfer of a methyl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within proteins to form methylated arginine derivatives and S-adenosyl-L-homocysteine. Protein arginine methylation has been implicated in signal transduction, metabolism of nascent pre-RNA, and transcriptional activation (Frankel et al. 2002 (PubMed 11724789). Tissue specificity: Overexpressed in prostate adenocarcinomas and high-grade prostatic intraepithelial neoplasia.
Immunogen	Purified recombinant fragment of human CARM1 expressed in E. Coli.
Reactive Species	Human; Monkey; Rat
Clone	MM3H2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. FASEB J. 2008 Sep;22(9):3337-47. ; 2. Nucleic Acids Res. 2008 Jun;36(10):3202-13.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**