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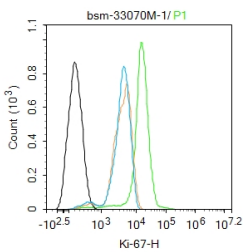
Ki-67 Mouse mAb

Catalog Number:	bsm-33070M
Target Protein:	Ki-67
Concentration:	1mg/ml
Form:	Liquid
Host:	Mouse
Clonality:	Monoclonal
Clone No.:	6B9
Isotype:	IgG
Applications:	Flow-Cyt (1ug/Test)
Reactivity:	Human
Predicted MW:	358 kDa
Entrez Gene:	4288
Swiss Prot:	P46013
Purification:	affinity purified by Protein G
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Ki67 antigen is the prototypic cell cycle related nuclear protein, expressed by proliferating cells in all phases of the active cell cycle (G1, S, G2 and M phase). It is absent in resting (G0) cells. Ki67 antibodies are useful in establishing the cell growing fraction in neoplasms (immunohistochemically quantified by determining the number of Ki67 positive cells among the total number of resting cells = Ki67 index). In neoplastic tissues the prognostic value is comparable to the tritiated thymidine labelling index. The correlation between low Ki67 index and histologically low grade tumours is strong. Ki67 is routinely used as a neuronal marker of cell cycling and proliferation.

VALIDATION IMAGES



Blank control:Hela. Primary Antibody (green line): Mouse Anti-Ki-67 antibody (bsm-33070M) Dilution: 1ug/Test; Secondary Antibody : Goat anti-mouse IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=13.3] Hui Ming. et al. Copper-coordinated self-assembly nanogels for efficient cancer immunotherapy by synergistic suppression of tumor-infiltrating regulatory T cells. CHEM ENG J. 2024 Nov;:157288 IHC ; Mouse . 10.1016/j.cej.2024.157288

[IF=8.1] Luo Yusong. et al. Amantadine against glioma via ROS-mediated apoptosis and autophagy arrest. CELL DEATH DIS. 2024 Nov;15(11):1-10 IHC ; Mouse . 39548081