

bsm-0917M**[Primary Antibody]**

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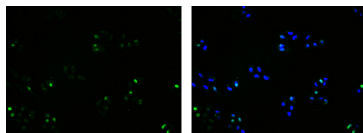
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BrdU(Proliferation Marker) Mouse mAb**— DATASHEET —**

Host: Mouse Clonality: Monoclonal Target: BrdU(Proliferation Marker) Purification: affinity purified by Protein G Concentration: 1mg/ml Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: The immunocytochemical detection of bromodeoxyuridine (BrdU) incorporated into DNA is a powerful tool to study the cytokinetics of normal and neoplastic cells. In vitro or in vivo labeling of tumor cells with the thymidine analogue BrdU and the subsequent detection of incorporated BrdU with specific anti-BrdU monoclonal antibodies is an accurate and comprehensive method to quantitate the degree of DNA-synthesis. BrdU is incorporated into the newly synthesized DNA of S-phase cells may provide an estimate for the fraction of cells in S-phase. Also dynamic proliferative information such as the S-phase transit rate and the potential doubling time can be obtained, by means of bivariate BrdU/DNA flow cytometric analysis	Isotype: IgG CloneNo.: 1A7	Applications: ICC/IF (1:50-200) Reactivity: Species independent Predicted MW.: 0.3071 kDa Subcellular Location: Nucleus
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— VALIDATION IMAGES —

4% Paraformaldehyde-fixed HeLa(treated with 10uM BrdU for 24 hours) (H) cells; 2M HCL at r.t. for 20 min; Antibody incubation with (BrdU) monoclonal Antibody, unconjugated (bsm-0917M) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-0296G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=8.025]** Wei Hao. et al. Ginger polysaccharides relieve ulcerative colitis via maintaining intestinal barrier integrity and gut microbiota modulation. INT J BIOL MACROMOL. 2022 Oct;219:730 IF ;Mouse. 35963344
- **[IF=5.4]** Zhao, Lan, et al. "Acupuncture Improves Cerebral Microenvironment in Mice with Alzheimer' s Disease Treated with Hippocampal Neural Stem Cells."Molecular Neurobiology (2016): 1-11. IHC,ICC ;="Mouse". 27558235
- **[IF=2.88]** Li, Hongwei, et al. "Regular treadmill running improves spatial learning and memory performance in young mice through increased hippocampal neurogenesis and decreased stress." Brain Research (2013). Other ;="Mouse".

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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- **[IF=3.17]** Liu, Yang, et al. "Amelioration of Stroke-Induced Neurological Deficiency by Lyophilized Powder of Catapol and Puerarin." International Journal of Biological Sciences 10.4 (2014): 448-456. IHC ;="Mouse". 24719562
- **[IF=3.1]** Shuting Chang. et al. BUBR1 Facilitated Nerve Regeneration by Modulating STAT3 Phosphorylation, Thereby Alleviating HIE in Neonatal Mice. CELL BIOL INT. 2025 Jun;; IF ;Mouse. 40470792