

bs-23103R**[Primary Antibody]****Ki-67 Rabbit pAb****Bioss**
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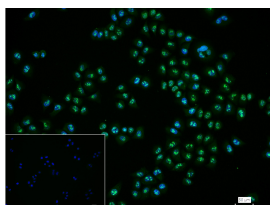
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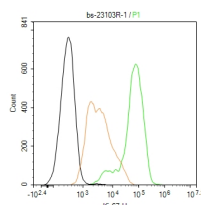
— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: Flow-Cyt (1ug/Test) ICC/IF (1:100-500)
Clonality: Polyclonal		
GeneID: 4288	SWISS: P46013	Reactivity: Human
Target: Ki-67		
Immunogen: KLH conjugated synthetic peptide derived from human Ki-67: 1231-1330/3256.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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.		
		Predicted MW.: 358 kDa
		Subcellular Location: Nucleus

— VALIDATION IMAGES —



4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Ki-67) polyclonal Antibody, unconjugated (bs-23103R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-Ki-67 antibody (bs-23103R): 1 µg/10⁶ cells; Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=18]** Ying Luo. et al. Dental pulp stem cells alleviate Schwann cell pyroptosis via mitochondrial transfer to enhance facial nerve regeneration. *Bioactive Materials*. 2025 Feb 11;47:313-326. IHC ;Rat. 10.1016/j.bioactmat.2025.01.031
- **[IF=15.1]** Yajie Gao. et al. Step-by-step guided photo-chemotherapy nanoplatfoms for efficiently suppressing cervical carcinoma metastasis by hijacking intracellular metabolism. *CHEM ENG J*. 2024 Apr;:151754 IHC ;Mouse. 10.1016/j.cej.2024.151754

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

- **[IF=12.153]** Tang, Chao. et al. RGS2 promotes estradiol biosynthesis by trophoblasts during human pregnancy. EXP MOL MED. 2023 Jan;;1-13 IHC ;Mouse. 36653442
- **[IF=10.6]** Chen Yang. et al. Copper-coordination driven brain-targeting nanoassembly for efficient glioblastoma multiforme immunotherapy by cuproptosis-mediated tumor immune microenvironment reprogramming. J NANOBIOTECHNOL. 2024 Dec;22(1):1-19 IHC ;Mouse. 39731102
- **[IF=9.4]** Xia Lei. et al.pH-responsive photothermal effect and heterojunction formation for tumor-specific pyroelectrodynamic and nanozyme-catalyzed starvation therapy..Acta Biomaterialia.2025 Mar 18:S1742-7061(25)00204-1. IHC,IF ;Mouse. 40113022