

bs-0480R**[Primary Antibody]**

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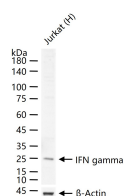
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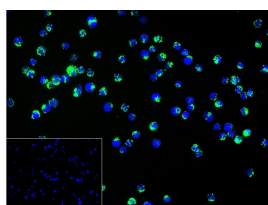
400-901-9800

IFN gamma Rabbit pAb**— DATASHEET —**

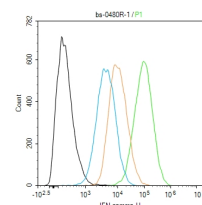
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (1:50-100) ICC/IF (1:50-200)
Clonality: Polyclonal		
GeneID: 3458	SWISS: P01579	
Target: IFN gamma		Reactivity: Human (predicted: Mouse, Rat)
Immunogen: KLH conjugated synthetic peptide derived from human IFN gamma: 1-100/166.		
Purification: affinity purified by Protein A		Predicted MW.: 15 kDa
Concentration: 1mg/ml		Subcellular Location: Secreted
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: Mammalian Interferon gamma is mainly produced by T lymphocytes and NK cells. It is a pleiotropic cytokine involved in the regulation of nearly all phases of immune and inflammatory responses, including the activation, growth and differentiation of T cell, B cells, macrophages, NK cells and other cell types such as endothelial cells and fibroblasts. It has weak antiviral and antiproliferative activity, and potentiates the antiviral and anti tumor effects of IFN alpha / beta (type I interferon). It is upregulated by IL2, FGF basic, EGF and downregulated by vitamin D3 or DMN. Labile at pH 2.		

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with IFN gamma polyclonal antibody, unconjugated (bs-0480R) at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed Jurkat (Treated with PMA (25 ng/mL, 6 h) and ionomycin (1 µg/mL, 6 h), BFA (5 µg/ml, last 5 h)) (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (IFN gamma) polyclonal Antibody, unconjugated (bs-0480R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) 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 Jurkat (Treated with PMA (25 ng/mL, 6 h) and ionomycin (1 µg/mL, 6 h), BFA (5 µg/ml, last 5 h)) (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.). Primary Antibody (green): Rabbit Anti-IFN gamma antibody (bs-0480R; 1:100); Secondary Antibody (white blue): Goat anti-Rabbit IgG-BF488 (bs-60295G-BF488); 1 µg/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=27.7]** Yang Liu. et al. Generation of tolerogenic antigen-presenting cells in vivo via the delivery of mRNA encoding PDL1 within lipid nanoparticles..Nature Biomedical Engineering.2025 Mar 28. IHC ;Mouse. 40155762
- **[IF=16.836]** Leonard Siebert. et al. Light - Controlled Growth Factors Release on Tetrapodal ZnO - Incorporated 3D - Printed Hydrogels for Developing Smart Wound Scaffold. 2021 Feb 19 IHC ;Mouse. 10.1002/adfm.202007555

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

- **[IF=15.1]** Lei Wang. et al. STING Agonist-Loaded Nanoparticles Promotes Positive Regulation of Type I Interferon-Dependent Radioimmunotherapy in Rectal Cancer. ADV SCI. 2023 Dec;;2307858 IF ;Mouse. 38063844
- **[IF=15.1]** Jin Zhao. et al. Administration of recombinant FOXP1 protein attenuates Alzheimer' s pathology in mice. BRAIN BEHAV IMMUN. 2023 Aug;; IF ;Mouse. 37541395
- **[IF=14.7]** Li Qilong. et al. SOD3 suppresses early cellular immune responses to parasite infection. NAT COMMUN. 2024 Jun;15(1):1-10 IHC ;Mouse. 38851821