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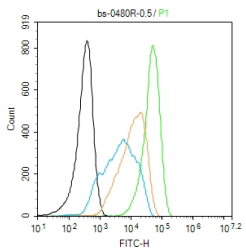
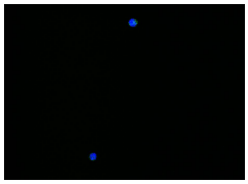
IFN gamma Rabbit pAb

Catalog Number:	bs-0480R
Target Protein:	IFN gamma
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (0.5ug/Test), ICC/IF (1:50), ELISA (1:5000-10000)
Reactivity:	Human, Mouse, Rat
Predicted MW:	15 kDa
Entrez Gene:	3458
Swiss Prot:	P01579
Source:	KLH conjugated synthetic peptide derived from human IFN gamma: 1-100/166.
Purification:	affinity purified by Protein A
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 poteniates 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.

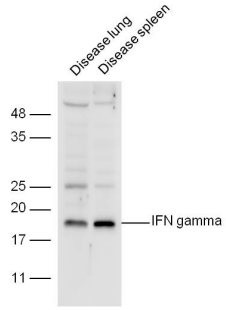
VALIDATION IMAGES



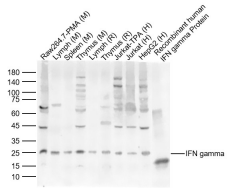
Blank control（black line）:ctll-2. Primary Antibody (green line): Rabbit Anti-IFN gamma antibody (bs-0480R) Dilution:0.5ug/Test; Secondary Antibody（white blue line）: Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Isotype control（orange line）: Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (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.



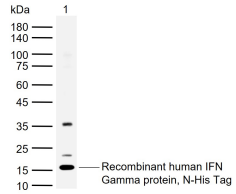
ctll-2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (IFN gamma) polyclonal Antibody, Unconjugated (bs-0480R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



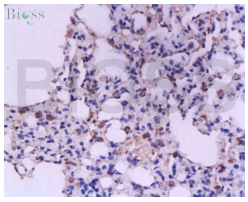
Sample: Disease Lung (Mouse) Lysate at 30 ug Disease Spleen (Mouse) lysate at 30 ug Primary: Anti- IFN gamma (bs-0480R) at 1/200 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/3000 dilution Predicted band size: 15 kD Observed band size: 18 kD



Sample: Lane 1: Mouse Raw264.7-PMA Lysates Lane 2: Mouse Lymph Lysates Lane 3: Mouse Spleen Lysates Lane 4: Mouse Thymus Lysates Lane 5: Rat Lymph Lysates Lane 6: Rat Thymus Lysates Lane 7: Human Jurkat-TPA cell Lysates Lane 8: Human Jurkat cell Lysates Lane 9: Human HepG2 cell Lysates Lane 10: Recombinant human IFN gamma Protein (bs-0388P) Primary: Anti-IFN gamma (bs-0480R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 15kDa Observed band size: 25kDa



Sample: Lane 1: Recombinant human IFN Gamma protein, N-His Tag Primary: Anti-IFN gamma (bs-0480R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 15 kDa Observed band size: 16 kDa



Tissue/cell: rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-IFN-gamma Polyclonal Antibody, Unconjugated(bs-0480R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[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

[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 FOXN1 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

[IF=12.91] Kai Ye. et al. An armed oncolytic virus enhances the efficacy of tumor-infiltrating lymphocyte therapy by converting tumors to artificial antigen presenting cells in situ. MOL THER. 2022 Jun;: IHC ; Mouse . 35715953