

## Rabbit Anti-IFN gamma antibody

SL0480R

<b>Product Name:</b>	IFN gamma
<b>Chinese Name:</b>	Interferon- $\gamma$ /IFN- $\gamma$ 抗体
<b>Alias:</b>	IFNG; IFG; IFI; IFN Gamma; IFN Immune; IFN-gamma; IFNG; IFNG_MOUSE; Immune Interferon; Interferon gamma; Interferon Gamma Precursor; Macrophage Activating Factor; MAF; T Cell Interferon; Type II Interferon.
<b>文献引用</b> PubMed :	<p><b>Specific References(18)</b> SL0480R has been referenced in 18 publications.</p> <p><b>[IF=3.14]</b>Huang, Huibin, et al. "Upregulation of thyroid transcription factor-1 and human leukocyte antigen class I in Hashimoto's disease providing a clinical evidence for possible triggering autoimmune reaction." European Journal of Endocrinology 164.5 (2011): 795-800.<b>IHC-P;Human.</b>  <a href="#">PubMed:21343336</a></p> <p><b>[IF=1.72]</b>Lu, Na-na, et al. "Gene Expression Profiles Underlying Selective T-Cell-Mediated Immunity Activity of a Chinese Medicine Granule on Mice Infected with Influenza Virus H1N1." Evidence-Based Complementary and Alternative Medicine 2014 (2014).<b>WB;Mouse.</b>  <a href="#">PubMed:24527057</a></p> <p><b>[IF=2.46]</b>Wang, Shan, et al. "5-Aminolevulinic Acid-mediated Sonodynamic Therapy Reverses Macrophage and Dendritic Cell Passivity in Murine Melanoma Xenografts." Ultrasound in Medicine &amp; Biology (2014).<b>IHC-P;Mouse.</b>  <a href="#">PubMed:25023114</a></p> <p><b>[IF=4.12]</b>Zhou, Xue, et al. "Sulindac has strong antifibrotic effects by suppressing STAT3-related miR-21." Journal of Cellular and Molecular Medicine (2015).<b>WB;Human.</b></p>

[PubMed:25704671](#)

**[IF=1.42]** Gong, Yu-Bo, et al. "Effects of Foxp3 gene modified dendritic cells on mouse corneal allograft rejection." *International Journal of Clinical and Experimental Medicine* 8.3 (2015): 3965-3973. **IHC-P;Mouse.**

[PubMed:26064298](#)

**[IF=2.86]** Li, Peiqi, et al. "The Effect of Interferon- $\gamma$  and Zoledronate Treatment on Alpha-Tricalcium Phosphate/Collagen Sponge-Mediated Bone-Tissue Engineering." *International Journal of Molecular Sciences* 16.10 (2015): 25678-25690. **other;Rat.**

[PubMed:26516841](#)

**[IF=4.03]** Venkatasubramanian, Sambasivan, et al. "Tissue factor expression by myeloid cells contributes to protective immune response against Mycobacterium tuberculosis infection." *European Journal of Immunology* (2015). **IHC-P;Mouse.**

[PubMed:26471500](#)

**[IF=5.41]** Makar, Tapas K., et al. "Silencing of Abcc8 or inhibition of newly upregulated Sur1-Trpm4 reduce inflammation and disease progression in experimental autoimmune encephalomyelitis." *Journal of Neuroinflammation* 12.1 (2015): 1-13. **IHC-P;Mouse.**

[PubMed:26581714](#)

**[IF=2.46]** Makar, Tapas K., et al. "TrkB agonist, 7, 8-dihydroxyflavone, reduces the clinical and pathological severity of a murine model of multiple sclerosis." *Journal of Neuroimmunology* (2016). **IHC-P;Mouse.**

[PubMed:26943953](#)

**[IF=1.55]** Li, Peiqi, et al. "Interferon- $\gamma$  enhances the efficacy of autogenous bone grafts by inhibiting postoperative bone resorption in rat calvarial defects." *Journal of Prosthodontic Research* (2016). **other;Rat.**

[PubMed:26868926](#)

**[IF=1.19]** Kim, Dong-Kee, et al. "Otitis Media with Effusion in an Allergic Animal Model: a Functional and Morphological Study." *International Journal of Pediatric Otorhinolaryngology* (2016). **IHC-P;Mouse.**

[PubMed:27063745](#)

**[IF=2.47]** Cao, Yu, et al. "L-arginine and docetaxel synergistically enhance anti-tumor immunity by modifying the immune status of tumor-bearing mice." *International*

Immunopharmacology 35 (2016): 7-14.**IHC-P;Mouse.**  
[PubMed:27003114](#)

**[IF=1.64]**Jie, Guo, et al. "Expression of interleukin-17 in autoimmune dacryoadenitis in MRL/lpr mice." Current eye research 35.10 (2010): 865-871.**IHC-F;Mouse.**  
[PubMed:20858106](#)

**[IF=5.58]**Zhang, Qian-Qian, et al. "CD11b deficiency suppresses intestinal tumor growth by reducing myeloid cell recruitment." Scientific reports 5 (2015).**WB;Mouse.**  
[PubMed:26526388](#)

**[IF=1.58]**Liang, Zhuoping, et al. "Role of dendritic cells in consistency between upper and lower airway inflammatory responses: animal experimental studies." Int J Clin Exp Pathol 9.10 (2016): 10093-10104.**IHC-P;Rat.**  
[PubMed:0](#)

**[IF=1.99]**Chuang, Meng-Hsien, et al. "The Chinese medicine JC-001 enhances the chemosensitivity of Lewis lung tumors to cisplatin by modulating the immune response." BMC Complementary and Alternative Medicine 17.1 (2017): 210.**IHC-P;Mouse.**  
[PubMed:28399860](#)

**[IF=0.05]**Tuorkey, Muobarak J. "Effects of Moringa oleifera aqueous leaf extract in alloxan induced diabetic mice." Interventional Medicine and Applied Science 8.3 (2016): 109-117.**FCM;Mouse.**  
[PubMed:28203392](#)

**[IF=2.91]**Hayashi, Yoshikazu, et al. "Uncarboxylated Osteocalcin Induces Antitumor Immunity against Mouse Melanoma Cell Growth." Journal of Cancer 8.13 (2017): 2478-2486.**IHC-P;Mouse.**  
[PubMed:0](#)

<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	15kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid

<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from mouse IFN gamma:75-155/155
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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.</p> <p><b>Function:</b> Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.</p> <p><b>Subunit:</b> Homodimer.</p> <p><b>Subcellular Location:</b> Secreted.</p> <p><b>Tissue Specificity:</b> Released primarily from activated T lymphocytes.</p> <p><b>Post-translational modifications:</b> Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.</p> <p><b>DISEASE:</b> In Caucasians, genetic variation in IFNG is associated with the risk of aplastic anemia (AA) [MIM:609135]. AA is a rare disease in which the reduction of the circulating blood cells results from damage to the stem cell pool in bone marrow. In most patients, the stem cell lesion is caused by an autoimmune attack. T-lymphocytes, activated by an endogenous or exogenous, and most often unknown antigenic stimulus, secrete cytokines, including IFN-gamma, which would in turn be able to suppress hematopoiesis.</p>

**Similarity:**

Belongs to the type II (or gamma) interferon family.

**SWISS:**

P01580

**Gene ID:**

15978

**Database links:**

[Entrez Gene: 3458](#)Human

[Entrez Gene: 15978](#)Mouse

[Entrez Gene: 360697](#)Rat

[Omim: 147570](#)Human

[SwissProt: P01579](#)Human

[SwissProt: P01580](#)Mouse

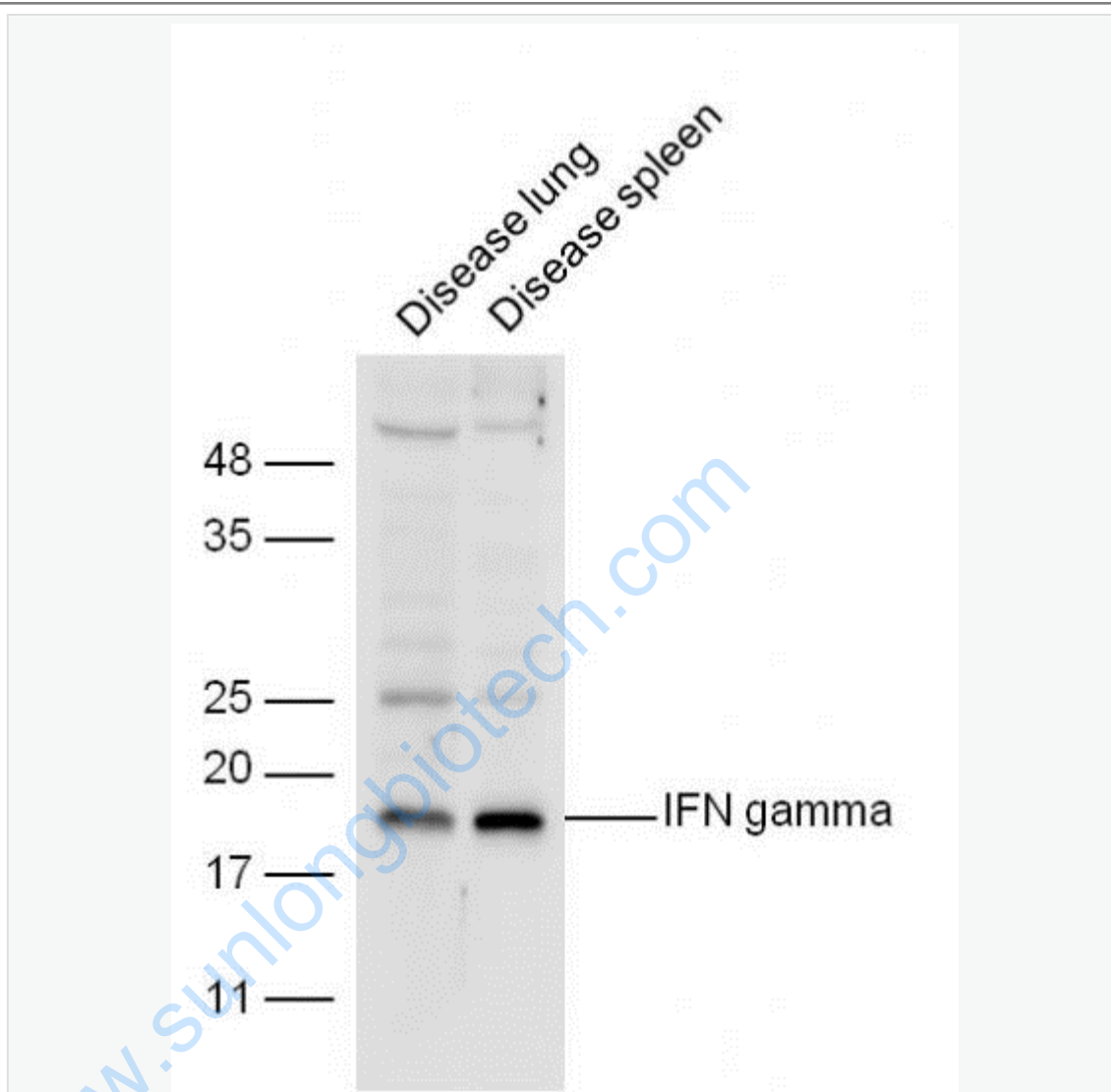
[Unigene: 856](#)Human

[Unigene: 240327](#)Mouse

**Important Note:**

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

Picture:



Sample:

Disease Lung (Mouse) Lysate at 30 ug

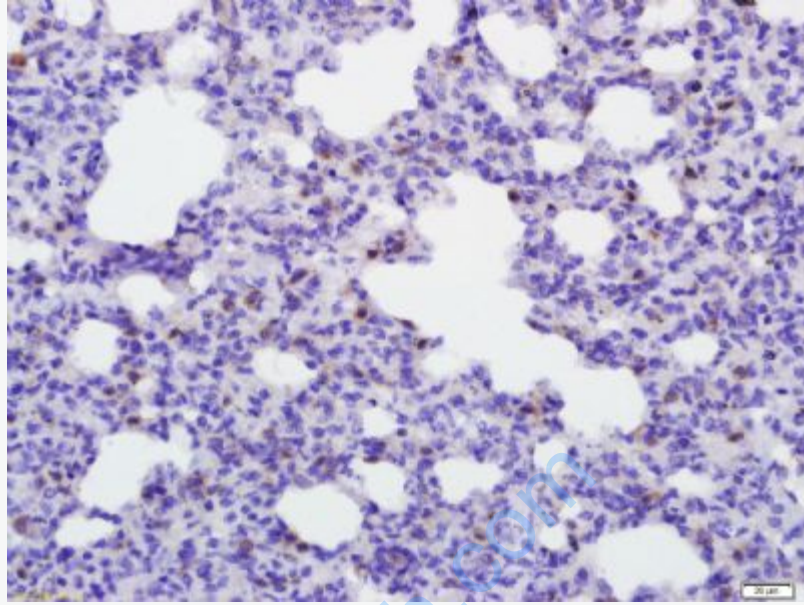
Disease Spleen (Mouse) lysate at 30 ug

Primary: Anti- IFN gamma (SL0480R) at 1/200 dilution

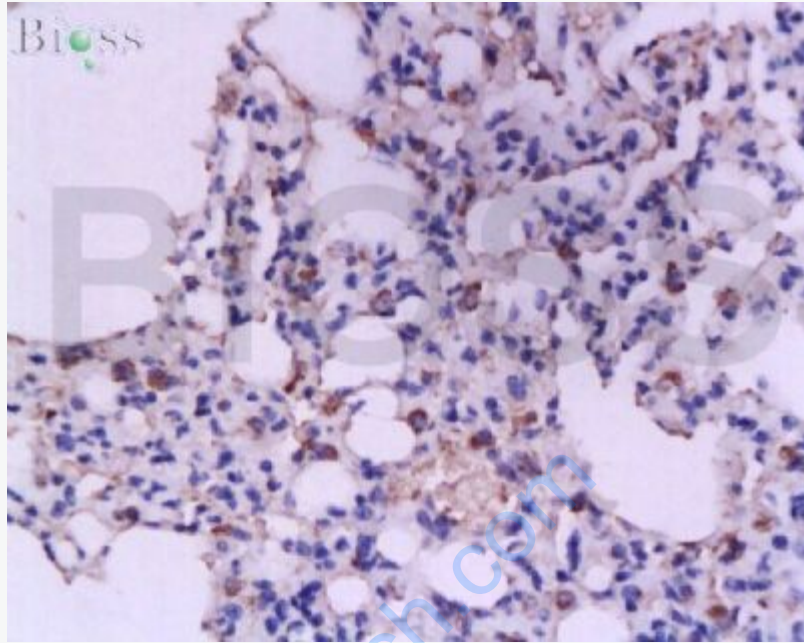
Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL0480R) at 1/3000 dilution

Predicted band size: 15 kD

Observed band size: 18 kD

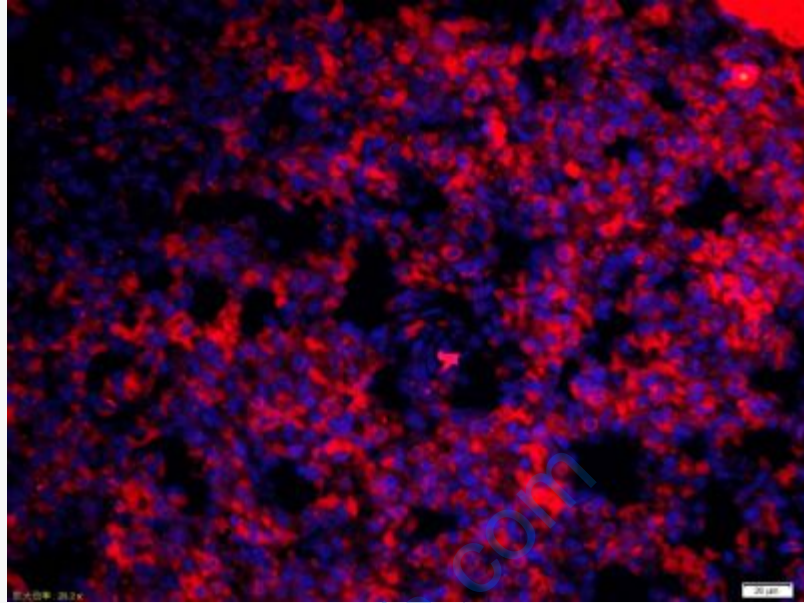


Tissue/cell: Mouse lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-IFN gamma Polyclonal Antibody, Unconjugated(SL0480R) 1:600, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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(SL0480R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining





Tissue/cell: Mouse lung tissue;4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min;  
Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-IFN gamma Polyclonal Antibody, Unconjugated(SL0480R) 1:600,  
overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3  
conjugated(SL0480R)used at 1:200 dilution for 40 minutes at 37°C.  
DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei