



# IFN- $\gamma$ Monoclonal Antibody

Catalog No	BYab-15836
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	IFNG
Protein Name	Interferon gamma
Immunogen	Recombinant human IFN- $\gamma$ (BioSource company, Cat.No. PHC4033)
Specificity	IFN- $\gamma$ Monoclonal Antibody detects endogenous levels of IFN- $\gamma$ protein.
Formulation	Purified antibody in PBS containing 0.03% sodium azide.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	IFNG; Interferon gamma; IFN-gamma; Immune interferon
Observed Band	
Cell Pathway	Secreted.
Tissue Specificity	Released primarily from activated T lymphocytes.
Function	disease: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.,function: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.,online information:Interferon ga

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## Background

This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mutations in this gene are associated with an increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases. [provided by RefSeq, Dec 2015],

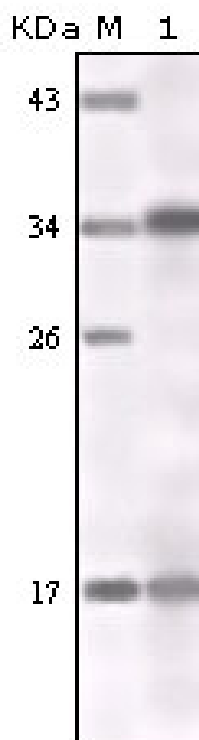
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis using IFN- $\gamma$  Monoclonal Antibody against IFN- $\gamma$  recombinant protein.

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