

# Mouse Monoclonal Antibody to IFN-gamma

## Order Information

Catalog#	20160	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

## Description

IFN-gamma (interferon, gamma) is an antiviral and antiparasitic agent produced by CD4+/CD8+ lymphocytes and natural killer cells that undergo activation by antigens, mitogens or alloantigens. 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. The active form of IFN-G is a homodimer with each subunit containing six helices. The dimeric structure of human IFN-G is stabilized by non-covalent interactions through the interface of the helices. IFN-G translated precursor is 166 amino acids, including the 23 amino acid secretory sequence. It is upregulated by IL2, FGF basic, EGF and downregulated by vitamin D3 or DMN. Multiple forms exist due to variable glycosylation and under non-denaturing conditions due to dimers and tetramers.

## Specification

Aliases : IFG; IFI; IFNG

Entrez GeneID : 3458

Swissprot : P01579

clone : 1B1A4

Host/Isotype : Mouse IgG1

Storage : Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Species Reactivity : Human

Immunogen : Recombinant human IFN-gamma (BioSource company, Cat.No. PHC4033)

Formulation : Ascitic fluid containing 0.03% sodium azide.

## Application

ELISA 1/10000

## References

1. Dean GA, LaVoy A, Burkhard MJ. Vet Immunol Immunopathol. 2004,Jul, 100(1-2):49-59.
2. Arens R, Schepers K, Nolte MA, et al. J Exp Med. 2004,Jun 7, 199(11):1595-605.
3. Podhorecka M, Dmoszynska A, Rolinski J. Eur J Haematol. 2004,Jul, 73(1):29-35.

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## Protocol

WB - [www.promab.com/protocol/wb.html](http://www.promab.com/protocol/wb.html)

IHC - [www.promab.com/protocol/ihc.html](http://www.promab.com/protocol/ihc.html)

ICC - [www.promab.com/protocol/icc.html](http://www.promab.com/protocol/icc.html)

HCM - [www.promab.com/protocol/hcm.html](http://www.promab.com/protocol/hcm.html)

**Antigen Sequence** is available upon request.

## Products and Services

- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

**For Research Only**

**Application Key:**WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

# #20160