



Genesis Biotech Inc.

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## Anti-Interferon gamma, Mouse-monoclonal Antibody

**Catalog No.** PG-20007

**Quantity:** 100 µL

**Antigen species:** Human

**Reactivity:** Human

**Applications tested:** W.B, ELISA

**Host species:** Mouse

**Conjugate:** unconjugated

**Type:** monoclonal antibody

**Form:** Ascites

### Target description

T lymphocytes and NK cells mainly produce mammalian Interferon gamma. 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.

### Antigen

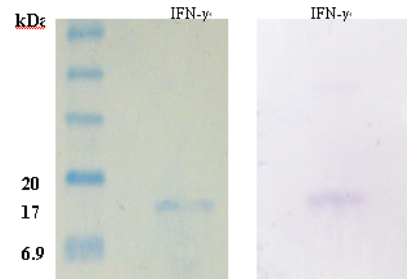
Immunizing mouse with interferon gamma recombinant protein raised this monoclonal antibody.

### Application

ELISA, Western blotting

### Related Products

Anti-human Tumor Necrosis Factor alpha(TNF $\alpha$ ),Chicken-Poly	PY-10001
Anti-Interleukin-8,Chicken-Poly	PY-10004
Anti-Interleukin-10,Chicken-Poly	PY-10005
Anti-Interleukin-11,Chicken-Poly	PY-10002
Anti-Interleukin-16,Chicken-Poly	PY-10006
Anti-Interleukin-17,Chicken-Poly	PY-10007
Anti-Interleukin-21,Chicken-Poly	PY-10008
Anti-CXC chemokine ligand 16(CXCL16),Chicken-Poly	PY-10059



A: IFN- $\gamma$  SDS-PAGE B: IFN- $\gamma$  Western blot

### Western Blot Procedure

1. Block with Gelatin-NET buffer for 1 hour at RT.
2. Wash with 0.05% PBST 3 X 10 minutes.
3. Add 3000X dilution of monoclonal antibody and Incubate for 1 hour at RT.
4. Wash with 0.05% PBST 3 X 10 minutes.
5. Add appropriate amount of correct secondary antibody, goat anti-mouse antibody conjugated with HRP). Incubate for 1 hour at RT.
6. Wash 3 X 10 minutes with 0.05% PBST at RT.
7. Add HRP substrate and develop

### Storage

It is supplied as ascites containing the mouse monoclonal antibody in lyophilized powder. Redissolve the powder with 100µL sterile water will restore to the original condition. Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

### References:

Favre C *et al.* Epitope mapping of recombinant human gamma interferon using monoclonal antibodies. *Mol Immunol* **26**: 17-25 (1989).

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