### Catalog nr
HM2003-03 (lot number and expiry date are indicated on the label)

### Description
Monoclonal antibody binds and neutralizes both natural and recombinant human gamma Interferon. Cross reactivity with other cytokines has not been found. The antibody does not react with rodent interferons. Possible applications include the purification of human gamma Interferon and in vitro neutralisation. In general, monoclonal antibodies to gamma Interferon are able to inhibit Schwartzman reactions and in the murine system appear to protect NZB mice against spontaneous development of autoimmune disease.

### Species
Mouse IgG1

### Formulation
Lyophilized product in PBS, containing 300 µg antibody. Reconstitute the vial by injection of 1 ml distilled or de-ionized water (Caution: vial is under vacuum).

### Application
The antibody can be used for immuno assays, immunohistology on frozen sections and immunoprecipitation. Furthermore the antibody is useful for neutralization of the biological activity of Interferon gamma.

### Use
For immunohistology dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10. For neutralization of biological activity in vitro dilutions have to be made according to the amount of IFN-gamma to be inactivated. One neutralizing unit of anti-human gamma interferon is defined as the amount of antibody sufficient for neutralizing one unit human gamma interferon (ref.: NIH standard Gg23-901-530).

### Storage and stability
Lyophilized product should be stored at 4°C. Store stock solution in aliquots at -20°C. Repeated freeze and thaw cycles will cause loss of activity. Under recommended storage conditions, product is stable for one year.

### Precautions
For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and Federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result with the use of or derivation of this product.

### References

### Also available
- **HC2030-01** Recombinant Human IFN-gamma (E.coli-derived); 10⁵ units
- **HC2030-10** Recombinant Human IFN-gamma (E.coli-derived); 10⁶ units
- **HM2003-01** Monoclonal antibody against Human IFN-gamma, clone F12; 100 µg
- **HM2004-01** Monoclonal antibody against Human IFN-gamma, clone F14; 100 µg
- **HM2004-05** Monoclonal antibody against Human IFN-gamma, clone F14; 300 µg
- **HP9019** Polyclonal antibody against Human IFN-gamma; 100 µg