

**MONOCLONAL ANTIBODY TO
MOUSE GAMMA INTERFERON (IFN- γ)
Clone F1**



Catalog nr	HM1003A (lot number and expiry date are indicated on the label)										
Description	Monoclonal antibody F1 binds both natural and recombinant mouse gamma Interferon. Its binding activity has been demonstrated in vitro and in vivo. F1 antibodies have been demonstrated to be able to inhibit inflammatory responses to bacterial lipopolysaccharides. These antibodies were furthermore shown to inhibit Shwartzman reactions and to protect NZB mice against spontaneous development of autoimmune disease. The neutralizing activity of the antibody has been demonstrated as being poor in anti-viral assays. If a neutralizing antibody is specifically desired, we recommend the use of another antibody available from Hycult Biotech, namely F3 (prod. code HM1005) which recognizes a different epitope on the murine gamma Interferon molecule and in contrast to F1, exhibits strong neutralizing activity. The antibody does not react with rat or human gamma interferon										
Species	Rat IgG _{2a}										
Formulation	1 ml (100 μ g/ml) 0.2 μ m filtered antibody solution in PBS, containing 0.1% bovine serum albumin and 0.02% sodium azide.										
Application	The antibody can be used for the purification or immunochemical investigation of mouse gamma Interferon and structural studies. Furthermore the antibody is useful for immunoprecipitation and as a tracer antibody in immuno assay procedures.										
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	<ol style="list-style-type: none">1. Armstrong, JA et al; Semi-micro, dye-binding assay for rabbit interferon. <i>J Appl Microbiol</i> 1971, 21: 7232. van Tiel, FH et al; Detection of Semliki Forest virus in cell culture by use of an enzyme immunoassay with peroxidase-labeled monoclonal antibodies specific for glycoproteins E1 and E2. <i>J Clin Microbiol</i> 1984, 20: 3873. Dijkmans, R et al; Heterogeneity of Chinese hamster ovary cell-produced recombinant murine interferon-gamma. <i>J Biol Chem</i> 1987, 262: 25284. Heremans, H et al; Regulation by interferons of the local inflammatory response to bacterial lipopolysaccharide. <i>J Immunol</i> 1987, 138 : 41755. Billiau, A et al; anti-interferon-gamma antibody protects mice against the generalized Shwartzman reaction. <i>Eur J Immunol</i> 1987, 17: 18516. Jacob, CO et al; in vivo treatment of (NZB X NZW) F1 lupus-like nephritis with monoclonal antibody to gamma interferon. <i>J Exp Med</i> 1987, 166: 798										
Also available	<table><tr><td>HM1002a</td><td>Monoclonal antibody against Mouse IFN-γ, clone F3; 100 μg</td></tr><tr><td>HM1002b</td><td>Monoclonal antibody against Mouse IFN-γ, clone F3; 500 μg</td></tr><tr><td>HM1003b</td><td>Monoclonal antibody against Mouse IFN-γ, clone F1; 500 μg</td></tr><tr><td>HC1020a</td><td>Recombinant Mouse IFN-γ (CHO-derived), 10⁵ units</td></tr><tr><td>HC1020b</td><td>Recombinant Mouse IFN-γ, (CHO-derived), 10⁶ units</td></tr></table>	HM1002a	Monoclonal antibody against Mouse IFN- γ , clone F3; 100 μ g	HM1002b	Monoclonal antibody against Mouse IFN- γ , clone F3; 500 μ g	HM1003b	Monoclonal antibody against Mouse IFN- γ , clone F1; 500 μ g	HC1020a	Recombinant Mouse IFN- γ (CHO-derived), 10 ⁵ units	HC1020b	Recombinant Mouse IFN- γ , (CHO-derived), 10 ⁶ units
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