

**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	IFN-gamma, Human, clone F12		
<b>Catalog number</b>	HM2003-100UG		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	1 ml	<b>Amount</b>	100 µg
<b>Formulation</b>	0.2 µm filtered in PBS+0.1%BSA	<b>Concentration</b>	100 µg/ml
<b>Host Species</b>	Mouse IgG1	<b>Conjugate</b>	None
<b>Endotoxin</b>	<24 EU/mg	<b>Purification</b>	Protein G
<b>Storage</b>	4°C		

**Application notes**

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	•				•	•	•	
No								
N.D.		•	•	•				•

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

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.

- FS: 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).

**General Information**

<b>Description</b>	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.
<b>Aliases</b>	Interferon Gamma
<b>References</b>	<ol style="list-style-type: none"> <li>1. Armstrong, JA et al; Semi-micro, dye-binding assay for rabbit interferon. J Appl Microbiol 1971, 21: 723</li> <li>2. Billiau, A et al; Gamma-interferon : the match that lights the fire ? Immunol Today 1988, 9: 37</li> <li>3. Jacob, CO et al; In vivo treatment of (NZB X NZW) F1 lupus-like nephritis with monoclonal antibody to gamma interferon. J Exp Med 1987, 166: 798</li> <li>4. Meide van der, PH et al; Monoclonal antibodies to human immune interferon and their use in a sensitive solid-phase ELISA. J Immunol Methods 1985, 79: 293</li> </ol>
<b>Storage&amp;stability</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
<b>Precautions</b>	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 from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC  
Brenda Teunissen

Date  
29/11/2019

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).