

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	IFN-gamma, Human, clone F12	Expiry date	-
Catalog number	HM2003-20UG		
Lot number	-	Amount	20 µg
Volume	200 µl	Concentration	100 µg/ml
Formulation	0.2 µm filtered in PBS+0.1%BSA	Conjugate	None
Host Species	Mouse IgG1	Purification	Protein G
Endotoxin	<24 EU/mg		
Storage	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

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.
Aliases	Interferon Gamma
References	<ol style="list-style-type: none"> 1. Armstrong, JA et al; Semi-micro, dye-binding assay for rabbit interferon. J Appl Microbiol 1971, 21: 723 2. Billiau, A et al; Gamma-interferon : the match that lights the fire ? Immunol Today 1988, 9: 37 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 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
Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least 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 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
16/11/2020

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.