MONOCLONAL ANTIBODY TO HUMAN INTERFERON GAMMA (IFN-GAMMA)

clone F14

Catalog no HM2004-03 (lot number and expiry date are indicated on the label)

Description The IFN-gamma monoclonal antibody F14 binds both natural and recombinant human gamma Interferon. Cross reactivity with other cytokines has not been found. The antibody does not react with rodent interferons or with alpha or beta interferons.

Species Mouse IgG_1

Cross reactivity

Cross reactant	Reactivity
Rodent IFN	No
Alpha IFN	No
Beta IFN	No

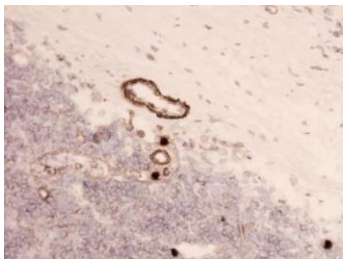
Formulation Lyophilized product in PBS, containing 300 µg antibody. Reconstitute the vial by injection of 0.5 ml distilled or de-ionized water (Caution: vial is under vacuum).

Application

	F	FC	FS	IA	IF	IP	P	W
Yes	●			●		●		
No								
N.D.		●	●		●		●	●

N.D.= Not Determined; F = Frozen sections; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IF = Immuno Fluorescence; IP = Immuno Precipitation; P = Paraffin sections; W = Western blot
Applications IA and F have been tested by Hycult Biotech.

Application notes IHC-F: Permeabilization was done in cold acetone with 0.5% hydrogen peroxidase for 10 min, after drying and washing, antibodies (1:50) were incubated for 30 minutes.



Immunohistochemical analysis of IFN-gamma in frozen human tonsil tissue.

References

1. Meide van der, PH et al; Monoclonal antibodies to human immune interferon and their use in a sensitive solid phase ELISA. J Methods 1985, *79*:293
2. Tsicopoulos, A et al; Cytokine profile in minor salivary glands from patients with bronchial asthma, J All clin immunol 2000
3. Fahy, O et al; Chemokine-Induced Cutaneous Inflammatory Cell Infiltration in a Model of Hu-PBMC-SCID Mice Grafted with Human Skin. Am J Path 2001, *158*

Use For immunohistochemistry, Immuno assay and Immuno precipitation, 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 functional studies, *in vitro* dilutions have to be optimized in user's experimental setting.

Positive control Human Tonsil

Storage and stability Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year. The exact expiry date is indicated on the label.

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.

Also available

HM2004-01	Monoclonal antibody against Human IFN-gamma, clone F14; 100 µg
HC2030-01	Recombinant Human IFN-gamma (E.coli-derived); 10^5 units
HC2030-10	Recombinant Human IFN-gamma (E.coli-derived); 10^6 units
HM2003-01	Monoclonal antibody against Human IFN-gamma, clone F12; 100 µg
HM2003-03	Monoclonal antibody against Human IFN-gamma, clone F12; 300 µg