

# MONOCLONAL ANTIBODY TO HUMAN INTERFERON GAMMA (IFN-GAMMA)

clone F14



**Catalog no** HM2004-01 (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<sub>1</sub>

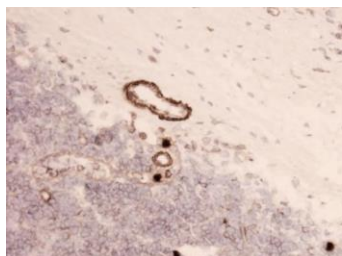
Cross reactivity	Cross reactant	Reactivity
	Rodent IFN	No
	Alpha IFN	No
	Beta IFN	No

**Formulation** Lyophilized product in PBS, containing 100 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**
- 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
  - Tsicopoulos, A et al; Cytokine profile in minor salivary glands from patients with bronchial asthma, J All clin immunol 2000
  - 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.

<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.	
<b>Also available</b>	HM2004-03	Monoclonal antibody against Human IFN-gamma, clone F14; 300 µg
	HC2030-01	Recombinant Human IFN-gamma (E.coli-derived); 10 <sup>5</sup> units
	HC2030-10	Recombinant Human IFN-gamma (E.coli-derived); 10 <sup>6</sup> 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