

# Product Data Sheet

## Purified anti-human IFN- $\gamma$

**Catalog # / Size:** 502401 / 50  $\mu$ g  
 502402 / 500  $\mu$ g

**Clone:** NIB42

**Isotype:** Mouse IgG1,  $\kappa$

**Immunogen:** *E. coli* - expressed, recombinant human IFN- $\gamma$

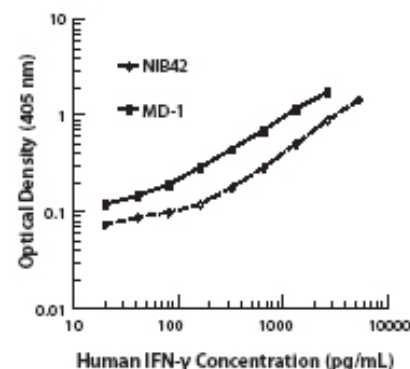
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.



## Applications:

**Applications:** ELISA Capture - *Quality tested*

**Recommended Usage:** Each lot of this antibody is quality control tested by ELISA assay. For ELISA Capture applications, the antibody should be titrated between 0.25 - 2  $\mu$ g/ml to determine optimal condition. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** **ELISA or ELISPOT Capture<sup>2</sup>:** The purified NIB42 antibody is useful as the capture antibody in a sandwich ELISA, when used in conjunction with the biotinylated 4S.B3 antibody (Cat. No. 502504/502514) as the detecting antibody. The LEAF™ purified antibody is suggested for ELISPOT capture.

**Neutralization<sup>1</sup>:** The LEAF™ purified antibody (Endotoxin **Note:** For testing human IFN- $\gamma$  in serum or plasma, BioLegend's ELISA Max™ Sets (Cat. No. 430101 to 430106) are specially developed and recommended.

**Application References:** 1. Meager, A. 1987. *Lymphokines and Interferons: A Practical Approach*. IRL Press Ltd, Oxford, p. 105.  
 2. Goodier, M., et al. 2000. *J. Immunol.* 165:139.

**Description:** Interferon- $\gamma$  is a potent multifunctional cytokine which is secreted primarily by activated NK cells and T cells. Originally characterized based on anti-viral activities, IFN- $\gamma$  also exerts anti-proliferative, immunoregulatory, and proinflammatory activities. IFN- $\gamma$  can upregulate MHC class I and II antigen expression by antigen-presenting cells. The 4S.B3 antibody reacts with the human IFN- $\gamma$ . The NIB42 antibody can neutralize the bioactivity of natural or recombinant IFN- $\gamma$ .

**Antigen References:** 1. Fitzgerald, K., et al. Eds. 2001. *The Cytokine FactsBook*. Academic Press, San Diego.  
 2. De Maeyer, E., et al. 1992. *Curr. Opin. Immunol.* 4:321.  
 3. Farrar, M., et al. 1993. *Annu. Rev. Immunol.* 11:571.  
 4. Gray, P., et al. 1987. *Lymphokines* 13:151.

Related Products:	Product	Clone	Application
	Biotin anti-human IFN- $\gamma$	4S.B3	ELISA Detection, ELISPOT Detection, ICFC
	Recombinant Human IFN- $\gamma$	rh IFN- $\gamma$	BA, ELISA
	HRP Avidin	Avidin	ELISA, ELISPOT, IHC, WB
	TMB Substrate Reagent Set		ELISA
	ELISA Assay Diluent (5X)		ELISA
	Human IFN- $\gamma$ ELISA MAX™ Standard		ELISA
	Human IFN- $\gamma$ ELISA MAX™ Deluxe		ELISA



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