

Product Information

Contents: Functional Grade Purified anti-human IFN- γ
Catalog Number: 16-7318
Sizes: 50 μ g, 500 μ g
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, No NaN₃
Storage Conditions: Store at 4°C.
Avoid repeated freeze/thaw cycles.
KEEP CONTENTS STERILE.
Endotoxin Level: Less than 0.001 ng/ μ g antibody, as determined by the LAL assay.
Clone: NIB42
Isotype: Mouse IgG1, κ

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
14-7318	Affinity Purified anti-human IFN γ (Interferon-gamma, IFN-g)	N/A	N/A	ELISA cap
16-7318	Functional Grade* Purified anti-human IFN γ (Interferon-gamma, IFN-g)	N/A	N/A	BA ELISA cap

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/ μ g.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

Description

The NIB42 antibody reacts with human interferon-gamma (IFN- γ).

Usage

For research use only, not for diagnostic or therapeutic use. The NIB42 antibody has been reported for use in neutralization of human IFN- γ and for ELISA capture.

Applications Tested

The NIB42 antibody has been tested for neutralization of IFN- γ bioactivity. The NIB42 antibody at 5 μ g/ml has been found to inhibit by 50% the biological effects of 1 ng/ml human IFN- γ (ND50).
The NIB42 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of human Interferon-gamma (IFN-g) in combination with the biotin 4S.B3 (13-7319) antibody for detection and recombinant human IFN γ (14-8319) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 2-8 μ g/ml. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/ml - 8 pg/ml should be included in each ELISA plate.
For ELISPOT capture, the alternative clone MD-1 is recommended.

References

Meager, A., S. Parti, et al. (1984). "Detection of hybridomas secreting monoclonal antibodies to human gamma interferon using a rapid screening technique and specificity of certain monoclonal antibodies to gamma interferon." J Interferon Res 4(4): 619-25.