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Product Information

Contents: Affinity Purified anti-human IFN-γ
Catalog Number: 14-7318
Sizes: 50 ug, 500 ug
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN_3
Storage Conditions: Store at 4°C. Avoid repeated freeze/thaw cycles.
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 IFNg (Interferon-gamma, IFN-g)	N/A	N/A	ELISA cap
16-7318	Functional Grade* Purified anti-human IFNg (Interferon-gamma, IFN-g)	N/A	N/A	BA ELISA cap

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/µg.
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 capture of human IFN-γ by ELISA, and for neutralizing IFN-γ bioactivity. Use Functional Grade purified for functional assays cat.16-7318).

Applications Tested

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 IFNg (14-8319) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 2-8 µg/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.

Related Products

Cat. 00-0000 eBioscience 10X ELISA Coating Buffer
Cat. 44-2404 Nunc MaxiSorp™ flat-bottom 96 well plate
Cat. 18-4100 Avidin Horse Radish Peroxidase (AV-HRP)
Cat. 00-4202 eBioscience ELISA Diluent Solution, 5X
Cat. 00-4203 Super AquaBlue ELISA Substrate
Cat. 13-7319 Biotin anti-human IFNg (Interferon-gamma, IFN-g) (clone 4S.B3)
Cat. 14-8319 Recombinant Human IFNg (Interferon-gamma, IFN-g)

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.