
Anti-Human IFN gamma Purified


Catalog Number: 14-7318

Also Known As: Interferon-gamma, IFN-g, IFNg

RUO: For Research Use Only

Product Information

Contents: Anti-Human IFN gamma Purified


 Catalog Number: 14-7318

Clone: NIB42


Concentration: 0.5 mg/ml


Host/Isotype: Mouse IgG1, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The NIB42 antibody reacts with human interferon-gamma (IFN- γ). The NIB42 antibody is a neutralizing antibody. IFN- γ is an ~20 kDa factor produced by activated T, B and NK cells and is an anti-viral and anti-parasitic cytokine. IFN- γ in synergy with other cytokines, such as TNF- α , inhibits proliferation of normal and transformed cells. Immunomodulatory effects of IFN- γ are exerted on a wide range of cell types expressing the high affinity receptors for IFN- γ . Glycosylation of IFN- γ does not affect its biological activity.

Applications Reported

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 (39-8319) 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.

Related Products

00-4202 ELISA Diluent Solution (5X)

00-4203 Super AquaBlue ELISA Substrate

13-7319 Anti-Human IFN gamma Biotin (4S.B3)

14-8319 Human IFN gamma Recombinant Protein

18-4100 Avidin HRP

44-2404 Nunc MaxiSorp[®] flat-bottom 96 well plate

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