
Anti-Human IFN beta Functional Grade Purified

Catalog Number: 16-9978

Also Known As: IFN β , IFN-b, Interferon-beta

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human IFN beta Functional Grade Purified

 **Catalog Number:** 16-9978

Clone: A1 (IFN β)

Concentration: 1 mg/mL

Host/Isotype: Mouse IgG1, kappa

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

The A1 monoclonal antibody reacts with human IFN- β . The A1 antibody is a neutralizing antibody. IFN- β is classified as a type I IFN which is a group of structurally and functionally related proteins demonstrating anti-viral, anti-parasitic, and anti-proliferative activities.

Applications Reported

The A1 antibody has been reported for use in cytokine neutralization.

Applications Tested

The Functional Grade Purified A1 antibody has been tested in bioassay for neutralization of IFN- β bioactivity.

The A1 antibody at 3-6 ug/ml has been found to inhibit by 50% the biological effects of 50 pg/ml human IFN- β (ND50), in an EMCV assay of A549 cell protection. Detailed information and protocols about cytokine bioassays and in vitro cytokine neutralization using antibodies can be found in the Best Protocols® section.

References

Coelho LF, Magno de Freitas Almeida G, Mennechet FJ, Blangy A, Uzé G. Interferon-alpha and -beta differentially regulate osteoclastogenesis: role of differential induction of chemokine CXCL11 expression. *Proc. Nat. Acad. Sci.* 2005 102: 11917-11922.

Diaz MO, Ziemins S, Le Beau MM, Pitha P, Smith SD, Chilcote RR, Rowley JD. Homozygous deletion of the alpha- and beta 1-interferon genes in human leukemia and derived cell lines. *Proc. Nat. Acad. Sci.* 1988 85: 5259-5263.

Shepard HM, Leung D, Stebbing N, Goeddel DV. A single amino acid change in IFN-beta1 abolishes its antiviral activity. *Nature* 1981 294: 563-567.

Related Products

16-4714 Mouse IgG1 K Isotype Control Functional Grade Purified (P3.6.2.1)

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