
Rat IFN gamma Recombinant Protein

Catalog Number: 14-8315

Also Known As: Interferon-gamma, IFN-g

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

Product Information

Contents: Rat IFN gamma Recombinant Protein

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Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in a sterile environment

Source: E. coli

Purity: > 98%, as determined by SDS-PAGE

Endotoxin Level: Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Bioactivity: Measured by mouse L929/EMCV cell protection assay. The ED₅₀ is 100 pg/mL, corresponding to a specific activity of 1.0 x 10⁷ Units/mg.

Formulation: Sterile liquid; phosphate buffered saline, pH 7.2, 150 mM NaCl, 1.0% BSA. 0.22 um filtered.



Temperature Limitation: Store at less than or equal to -70°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

The recombinant rat IFN- γ is an ~20 kDa factor produced by activated T, B and NK cells and 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 is not important for its biological activity.

Applications Reported

Recombinant rat IFN- γ is biologically active and can protect L929 cell line against viral infection in culture. It is also used as standard cytokine in rat IFN- γ ELISA.

Applications Tested

This recombinant rat IFN- γ has been tested by bioassay using mouse fibroblast cell line L929. The ED₅₀ measured in a L929 protection is <100 pg/ml, corresponding to a specific activity of >1x10⁷ Units/mg.

Related Products

88-7315 Rat IFN gamma ELISA Ready-SET-Go![®]

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