Mouse IFN gamma Recombinant Protein Carrier-Free

Catalog Number: 34-8311
Also Known As: Interferon-gamma, IFN-g
RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Mouse IFN gamma Recombinant Protein Carrier-Free

REF **Catalog Number:** 34-8311

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

Source: E. coli expressed amino acids His 23-Cys 155 of mouse IFN-gamma accession # NM_008337

Molecular Mass: The protein is methionylated at the N-terminal. The DTT reduced and protein migrates as a 14.5 kDa polypeptides on SDS-PAGE.

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

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

Bioactivity: The ED50 of this protein, as measured by EMC virus protection assay with L929 cells, is less than or equal to 175 pg/mL. This corresponds to a specific activity of greater than or equal to 5.7 x 10e6 Units/mg.

Formulation: Sterile liquid: 20mM Phosphate 0.2M NaCl 1mM TCEP, 0.05% Tween 20, pH 6.0. 0.22 um filtered.

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

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Description

Mouse IFN-γ is a ~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

Recombinant mouse IFN-γ is biologically active and is for bioassay use only. For an ELISA standard, please refer to eBioscience Cat. No. 39-8311-65.

Applications Tested

The ED50 of this protein, as measured by EMC virus protection assay with L929 cells, is less than or equal to 175 pg/mL. This corresponds to a specific activity of greater than or equal to 5.7 x 10e6 Units/mg.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com