9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IFN g Mouse

IFN-Gamma Mouse Recombinant
CYK0197

Product Overview

Name	IFN g Mouse
Description	
IFN-Gamma Mouse Recombinant	
Accession (Primary)	P01580
Synonyms	
Immune IFN, type II IFN, T cell IFN, MAF, IFNG, IFG, IFI, IFN-gamma.	
Introduction	
IFN-gamma produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions, it is a potent activator of macrophages, and has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I IFNs.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 μm filtered concentrated (1mg/ml) solution in PBS, pH 7.4 and 5% trehalose.	
Stability	
Lyophilized IFN-gamma although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-gamma should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
MHGTVIESLE SLNNYFNSSG IDVEEKSLFL DIWRNWQKDG DMKILQSQII SFYLRLFEVL KDNQAISNNI SVIESHLITT FFSNSKAKKD AFMSIAKFEV NNPQVQRQAF NELIRVVHQL LPESSLRKRK RSRC.	
Biological Activity	
The specific activity as determined in a viral resistance assay is < 0.1 ng/ml, corresponding to a specific activity of 10,000,000 IU/mg	

Solubility

It is recommended to reconstitute the lyophilized IFN-gamma in sterile distilled water or 20mM AcOH at concentrations ranging between 0.1mg-0.5mg/ml, which can then be further diluted to other aqueous solutions.

References

Title:IFN-γ and interleukin-4 reciprocally regulate CD8 expression in CD8 + T cells. Publication:Published online before print November 6, 2008, doi: 10.1073/pnas.0809549105 PNAS November 11, 2008 vol. 105 no. 45 17475-17480 Link: IFN g Mouse prospec publication

Precautions

IFN g Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01580)