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

IFNG Canine

Interferon-gamma Canine Recombinant
CYK0209

Product Overview

Name	IFNG Canine
Description	
Interferon-gamma Canine Recombinant	
Accession (Primary)	P42161
Synonyms	
Immune Interferon, type II interferon, T cell interferon, 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 interferons.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The IFNG was lyophilized from a 0.2 µm filtered concentrated solution in 25mM Sodium Succinate, pH 5.0, 60mM NaCl, with 0.1% Tween-80.	
Stability	
Lyophilized IFNG although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFNG 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 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
QAMFFKEIEN LKEYFNASNP DVSDGGSLFV DILKKWREES DKTIIQSQIV SFYLKLFDNF KDNQIIQRSM DTIKEDMLGK FLNSSTSKRE DFLKLIQIPV NDLQVQRKAI NELIKVMNDL SPRSNLRKRK RSQNLFRGRR ASK	
Biological Activity	

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

The ED50 as determined by an anti-viral assay using A-72 canine fibroma cells infected with vesicular stomatitis virus (VSV) is less than 2.0 ng/ml, corresponding to a specific activity of > 5.0 × 10 5 IU/mg.

Solubility

It is recommended to reconstitute the lyophilized IFNG in sterile distilled H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IFNG Canine is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P42161)