

## 32-6394: IFNG Monkey

**Application :** Functional Assay

**Alternative Name :** Immune IFN, type II IFN, T cell IFN, MAF, IFNG, IFG, IFI, IFN-gamma.

### Description

Source: Escherichia Coli.

Sterile Filtered White lyophilized (freeze-dried) powder.

IFN-gamma produced by lymphocytes activated by specific antigens / mitogens. IFN-gamma, on top of 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.

Interferon-gamma Rhesus Macaque Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 142 amino acid and having a molecular mass of approximately 16.8kDa. IFNG is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 10 µg / 50 µg

**Purification :** Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4.

**Content :** It is recommended to reconstitute the lyophilized Interferon-gamma Rhesus Macaque in sterile 18M Omega -cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Storage condition :** Lyophilized IFNG although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Interferon-gamma Rhesus Macaque should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Amino Acid :** QDPYVKEAEN LKKYFNAGDP DVADNGTLFL DILRNWKEES DRKIMQSQIV SFYFKLFKNF KDDQRIQKSV ETIKEDINVK FFNSNKKKRD DFEKLTNYSV TDSNVQRKAV HELIQVMAEL SPAAKIGKRK RSQMFRGRRA SQ.

### Application Note

The ED50 as determined by an anti-viral assay using human HeLa cells infected with encephalomyocarditis (EMC) virus is  $\sim 20.0$  ng/ml, corresponding to a specific activity of  $> 5.0 \times 10^4$  IU/mg.