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32-20174: Recombinant Human IFN-Gamma(Discontinued)

Reactivity : Human, Monkey, Mouse, Pig, Rabbit, Rat
Alternative Name : Immune Interferon, type II interferon, T cell interferon, MAF

Description

Source:E.coliIFN-Gamma is an acid-labile interferon produced by CD4 and CD8 T lymphocytes as well as activated NK cells.Â IFN-Gamma receptors are present in most immune cells, which respond to IFN-Gamma signaling by increasing the surface expression of class I MHC proteins.Â This promotes the presentation of antigen to T-helper (CD4+) cells.Â IFN-Gamma signaling in antigen-presenting cells, and antigen-recognizing B and T lymphocytes, regulates the antigen-specific phases of the immune response.Â Additionally, IFN-Gamma stimulates a number of lymphoid cell functions, including the anti-microbial and anti-tumor responses of macrophages, NK cells, and neutrophils.Â Human IFN-Gamma is species-specific and is biologically active only in human and primate cells.Â Recombinant Human IFN-Gamma is a 16.8 kDa protein containing 144 amino acid residues.

Product Info

Amount : 20 µg / 100 µg
Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAKTGKR KRSQMLFQGR RASQ

Application Note

TheÃÂ ED_{50}determined by a cytotoxicity assay using HT-29 cells is <= 0.05 ng/ml, corresponding to a specific activity of >= 2 x 10^7units/mg.ÃÂ

For Research Use Only. Not for use in diagnostic/therapeutics procedures.