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32-20178: Recombinant Rat IFN-Gamma(Discontinued)

Reactivity : Human, Mouse, 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 Rat IFN-Gamma is a 15.6 kDa protein containing 135 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 : MQGTLIESLE SLKNYFNSSS MDAMEGKSLL LDIWRNWQKD GNTKILESQI ISFYLRLFEV LKDNQAISNN ISVIESHLIT NFFSNSKAKK DAFMSIAKFE VNNPQIQHKA VNELIRVIHQ LSPESSLRKR KRSRC

Application Note

TheÃ□Â ED_{50}Ã□Â as determined by a cytopathic affect inhibition assay with murine L929 cells challenged with EMC virus was <= 0.1 ng/ml, corresponding to a specific activity of >= 1 x 10^7units/mg.

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