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# 32-12114: Mouse Interferon-gamma (AF)

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|---|---|
| **Gene :** | Ifng |
| **Gene ID :** | 15978 |
| **Uniprot ID :** | P01580 |
| **Alternative Name :** | Type II interferon, T cell interferon, Immune Interferon, MAFÂ |

## Description

**Source:** Genetically modified E.coli.
**Predicted MW:**Â Monomer, 15.7 kDa (134 aa)
Interferon gamma (IFN-gamma ) is a type II interferon that is critical during adaptive and innate immune responses to infection. IFN-gamma is produced by T cells and natural killer cells following antigen-specific activation. IFN-gamma binds IFN-gamma receptors (IFN-gamma R1 and IFN-gamma R2), which are expressed on most immune cells, to activate the JAK-STAT pathway. IFN-gamma -induced signaling increases the expression of class 1 major histocompatibility complex (MHC) molecules. Mouse IFN-gamma is not cross-reactive with human IFN-gamma .

## Product Info

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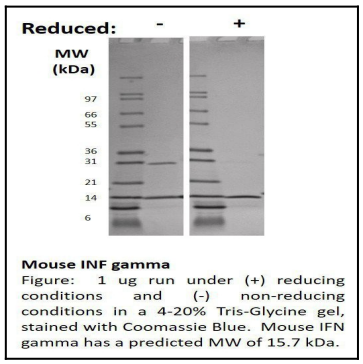
|---|---|
| **Amount :** | 100 µg / 250 µg |
| **Purification :** | Reducing and Non-Reducing SDS PAGE at >= 95% |
| **Content :** | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5<br>Sterile water at 0.1 mg/mL |
| **Storage condition :** | Store at -20°C |
| **Amino Acid :** | MHGTVIESLE SLNNYFNSSG IDVEEKSLFL DIWRNWQKDG DMKILQSQII SFYLRLFEVL KDNQAISNNI SVIESHLITT FFSNSKAKKD AFMSIAKFEV NNPQVQRQAF NELIRVVHQL LPESSLRKRK RSRC |

## Application Note

**Endotoxin:** Less than 0.1 ng/Ã‚Âµg (1 IEU/Ã‚Âµg) as determined by LAL test.
Biological Activity was determined by Viral CPE assay using EMC virus on L929 cells at <= NA; >= 1.0 x 10^7 units/mg . Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Ã‚Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.




**Mouse INF gamma**
Figure: 1 ug run under (+) reducing conditions and (-) non-reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IFN gamma has a predicted MW of 15.7 kDa.

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