

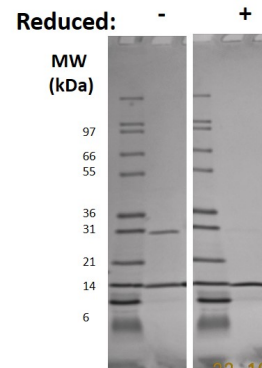
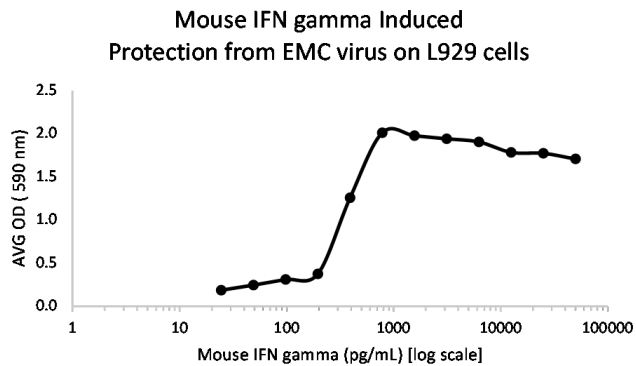
Ifng

Recombinant Mouse Interferon-gamma, Animal Free

Catalog No.	CRI001A-AF CRI001B-AF CRI001C-AF	Quantity:	20 µg 100 µg 1 mg
Alternate Names:	IFN-g, IFN-gamma, IFN-γ		
Description:	<p>Interferon gamma (IFN-g) is a soluble cytokine and a type II interferon. IFN-g is secreted by innate and adaptive immune cells. The active protein is a homodimer that binds to the IFN-g receptor, which triggers a cellular response to viral and microbial infections. IFN-g exerts antiproliferative, immunoregulatory and proinflammatory activities and induces the production of cytokines, upregulates the expression of class I and II MHC antigens, Fc receptor and leukocyte adhesion molecules. It modulates macrophage effector functions, influences isotype switching and potentiates the secretion of immunoglobulins by B cells. Additionally, IFN-g augments TH1 cell expansion and may be required for TH1 cell differentiation.</p> <p>Mouse IFN-γ is not cross-reactive with human IFN-γ.</p> <p>Made without animal-derived components, using animal-free equipment and protocols.</p>		
Gene ID:	15978		
UniProt ID:	P01580		
Source:	<i>E. coli</i>		
Molecular Weight:	15.7 kDa (134 aa), monomer		
Formulation:	Lyophilized from a sterile-filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5		
Purity:	≥ 95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤0.1 EU/µg of protein by kinetic LAL analysis.		
Biological Activity:	≤ 1 ng/ml, by viral CPE assay using EMC virus on L929 cells.		
Specific Activity:	≥1 x 10 ⁶ U/mg		
Amino Acid Sequence:	MHGTVIESLE SLNNYFNSSG IDVEEKSLFL DIWRNWQKDG DMKILQSQII SFYLRLFEVL KDNQAISNNI SVIESHLITT FFSNSKAKKD AFMSIAKFEV NNPQVQRQAF NELIRVVHQL LPESSLRKRK RSRC		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/ml. DO NOT VORTEX. Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. Avoid repeated freeze-thaw cycles.		



Serial dilutions of Mouse IFN gamma were added to L929 cells infected with EMC virus. Cell survival was measured and compared to a known standard.



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.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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