

RMCM052

Recombinant IFN gamma (Interferon gamma), Mouse , AF



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20ug;100ug;500ug;

Synonym/Alternative name(s):

Type II interferon, T-cell interferon, MAF, Ifg, If2f, IFN-g

Activity:

Measure by its ability to anti-viral assay in L-929 cells infected with encephalomyocarditis (EMC) virus.

The ED50 for this effect is <0.5 ng/mL.

The specific activity of recombinant mouse IFN gamma is approximately >2x 10⁶ IU/mg.

Protein Description:

Interferon- γ is a effective multifunctional cytokine which is released mainly by activated NK cells and T cells. IFN- γ is primarily characterized based on its anti-viral activities, and then been proved to have several functions such as anti-proliferative, immune-regulatory, and pro-inflammatory activities. IFN- γ can upregulate expression of MHC class I and II antigen by antigen-presenting cells.

Protein Accession : P01580.1

Gene ID : 15978

Expression Sequence:

MHGTVIESLES LN NYFNSSGIDVVEEKSLFLDIWRNWQKDGDMKILQSQIISFYLR LFEVLKDNQAISNNISVIESHLITFFSNSKAKKDAFMSIAKFEVNNPQVQRQAFNELIRVVHQLLPESLSLRKRKRSRC with polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus

Species : Mouse

Reactivity : Mouse

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.01 EU per 1 μ g of the protein by the LAL method.

Calculated Molecular Weight : 16.5 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or

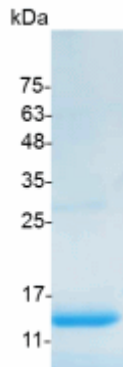
stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant mouse IFN gamma