



## Mouse IFN- $\gamma$

20  $\mu$ g  
100  $\mu$ g  
1000  $\mu$ g

130-094-047  
130-094-048  
130-094-049

### Description:

Mouse interferon  $\gamma$  (IFN- $\gamma$ ) is a regulatory protein produced by activated NK cells and CD4<sup>+</sup>TCR $\alpha$ / $\beta$ <sup>+</sup>, CD8<sup>+</sup>TCR $\alpha$ / $\beta$ <sup>+</sup> and TCR $\gamma$ / $\delta$ <sup>+</sup>T cells. The biological activities of IFN- $\gamma$  include the specific binding to a single class of high affinity receptors. IFN- $\gamma$  is acid labile. Mouse IFN- $\gamma$  is a 15.6 kDa protein containing 134 amino acid residues.

<b>Source:</b>	<i>E. coli</i>
<b>Molecular mass:</b>	15.6 kDa
<b>Specific activity:</b>	$\geq 1 \times 10^7$ U/mg
<b>Endotoxin level:</b>	<0.1 ng/ $\mu$ g (<1 EU/ $\mu$ g)
<b>Purity:</b>	95% (SDS-PAGE, HPLC)
<b>Buffer:</b>	PBS (pH 7.4)
<b>Stabilizer:</b>	None
<b>Product format:</b>	Sterile filtered, lyophilized

### Biological activity:

The ED<sub>50</sub> of  $\leq 0.1$  ng/mL was determined by an inhibition assay with mouse NIH 3T3 cells and EMC virus. It corresponds to a specific activity of  $\geq 1 \times 10^7$  U/mg.

### Reconstitution:

We recommend a quick spin followed by reconstitution in PBS to a concentration not less than 100  $\mu$ g/mL. Further dilutions can be made in sterile water. For long-term storage we recommend the addition of a carrier protein.

### Storage:

The lyophilized protein is stable for a few weeks at room temperature but best stored at  $-20$  °C. Reconstituted Mouse IFN- $\gamma$  should be stored in working aliquots at  $-20$  °C. Please avoid repeated freeze-thaw cycles.

All protocols and data sheets are available at [www.miltenyibiotec.com](http://www.miltenyibiotec.com).

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