Mouse Interferon Beta

Recombinant mouse interferon beta expressed in mammalian cells

Catalog No. 12405 and 12410 (carrier-free)

- Mammalian expressed with authentic sequences of mouse IFN beta protein
- 10 fold greater specific activity than *E.coli* derived protein
- Glycosylated
- High bioactivity (EC_{50} ~ 7 pg/ml) in antiviral protection assay

Interferons (IFNs) are a family of mammalian cytokines produced by macrophages, neutrophils, dendritic cells and other somatic cells in response to viruses and pathogens. IFN-β is classified as a type I interferon and is produced by fibroblast and a variety of cell types in response to viral challenge. Although all type I IFNs bind to the same type I IFN receptor complex, studies have shown that IFN-β signals differently than IFN-α. Furthermore, it has been shown that IFN-β exerts preferential induction of apoptotic effect on melanoma cells. These findings, along with the therapeutic use of IFN-β in Multiple Sclerosis and hepatitis C, make further understanding of IFN-β biological activities an important area of research.

The mammalian expressed mouse IFN-β protein from PBL provides scientists with a recombinant protein that closely resembles native mouse IFN-β.

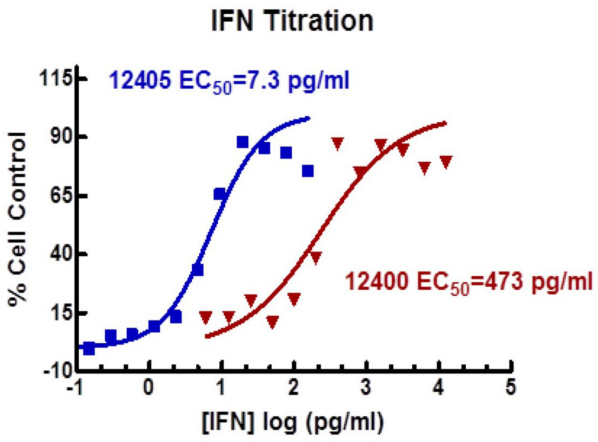

Figure 1. Mammalian expressed (12405) vs. *E.coli* expressed (12400) mouse IFN beta as measured in L929/EMCV CPE activity assay

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