Interferon αA
Mouse, Recombinant

Product Number: I 8782

Product Description
Recombinant Mouse Interferon αA (IFN-αA) is obtained from mouse DNA expressed in E. coli. Its molecular weight is approximately 20 kDa.

Type I Interferons are a closely related family of proteins that induce a variety of effects on target cells including antiviral, antiproliferative and immunomodulatory activities. They are divided into subtypes according to their cell type specific activities: α subtypes (leukocytes), β subtypes (fibroblasts), ω subtypes (lymphocytes), and τ subtypes (ruminant embryos).

Reagent
Mouse Interferon αA is supplied as a solution of approximately 1 x 10^6 units/ml in phosphate buffered saline containing 0.1% bovine serum albumin.

Minimum 1 x 10^5 units/vial

Preparation Instructions
The contents of the vial may be further diluted in a buffer solution (phosphate buffered saline) containing a protein such as 0.1% bovine serum albumin. When diluting this interferon, use polypropylene pipet tips and tubes.

Storage/Stability
Store at −70 °C or below for retention of full activity. After thawing, freeze in working aliquots at −70 °C. Repeated freezing and thawing is not recommended and may cause significant loss of activity.

Product Profile
Interferon αA activity is measured in a bioassay system against the NIH International Standard Reference for mouse interferon α by the inhibition of cytopathic effect in mouse L929 cells with encephalomyocarditis virus (EMCV). In this antiviral assay for interferon, approximately 1 unit/ml of interferon is the quantity necessary to produce a cytopathic effect of 50%.

Note: Specific activity is lot specific.

Purity: >95 %

References

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