

Human Interferon alpha 2A

Catalogue number: 153800

Sub-type: Cytokine

Images:

Contributor

Inventor: Natasa Skoko

Institute: International Centre For Genetic Engineering And Biotechnology (ICGEB)

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Human Interferon alpha 2A

Alternate name: Human IFN alpha 2A, IFN-alpha 2, IFNA2, IFNA2a

Class:

Conjugate:

Description: Interferon-alpha (IFN-a) is a type I interferon, produced by virus-infected cells, and is released as a soluble factor to initiate antiviral responses. IFN-a2 is the most potent IFN-a used in fundamental research and in most clinical applications. The best-known IFN-a2 subvariants, 2A and 2B, differ by only one or two amino acids at positions 23 and/or 34 of the mature protein. Type I IFNs exert potent antitumor activity by increasing the cytotoxic activity of NK and T cells, as well as by inhibiting the proliferation of cancer cells. Additionally, it has been shown that proinflammatory IFN-a modulates the function of B cells in patients with systemic lupus erythematosus, and pegylated forms of IFN-alpha 2A and 2B have implications in the treatment of hepatitis C.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

CDLPQTHSLGSRRTLMLLAQMRKISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMIQQIFNLFSTKD

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: Lys at position 23

Target details

Target:

Target alternate names:

Target background:

Molecular weight: 19.4 kDa

Ic50:

Applications

Application:

Application notes: Molecular Weight: 19.4 kDa UniProt number P01563 (Lys at position 23)

Handling

Format:

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: -20° C

Shipping conditions: Dry Ice

Related tools

Related tools:

References

References:

CancerTools.org