

For Research Use Only

NeutraKine® IFN Alpha 2A Monoclonal antibody



Catalog Number: 69008-1-Ig

Basic Information

Catalog Number:

69008-1-Ig

Size:

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

HZ-1066

GenBank Accession Number:

GeneID (NCBI):

3440

Full Name:

interferon, alpha 2

Purification Method:

Protein G purification

CloneNo.:

2H8G1

Applications

Tested Applications:

Neutralization, ELISA

Species Specificity:

Human

Background Information

Interferon alpha 2 is a type 1 interferon. Interferon alpha 2 is secreted by virus-infected cells and inhibits other cells from further infection. Recombinant human interferon alpha 2 has been approved for therapeutic application in a range of human oncological and viral diseases. Three Interferon alpha 2 subvariants (2A, 2B, 2C) differ by only one or two amino acids at positions 23 and/or 34 of the mature protein (PMID: 25982860; 10672347; 1694761).

This antibody can be used to neutralize the bioactivity of Interferon alpha 2.

Storage

Storage:

Lyophilized antibodies are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Storage Buffer:

Sterile PBS.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

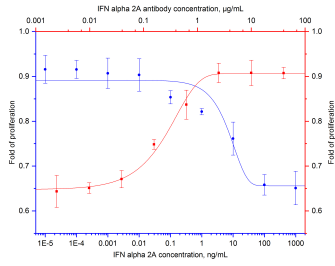
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Recombinant human IFN alpha 2A (Cat.NO. HZ-1066) inhibits the growth of TF-1 cell line (human erythroleukemic cell line) in a dose-dependent manner (blue curve, refer to bottom X-left Y). The activity of human IFN alpha 2A (100 ng/mL HZ-1066) is neutralized by mouse anti-human IFN alpha 2A monoclonal antibody 69008-1-Ig at serial dose (red curve, refer to top X-right Y). The ND50 is typically 300-500 ng/mL.