

For Research Use Only

NeutraKine® IFN Alpha 2A Monoclonal antibody



Catalog Number: 69008-1-Ig

Basic Information

Catalog Number: 69008-1-Ig	GenBank Accession Number: GeneID (NCBI): 3440	Purification Method: Protein G purification
Size: 100ug	Full Name: interferon, alpha 2	CloneNo.: 2H8G1
Source: Mouse		
Isotype: IgG1		
Immunogen Catalog Number: HZ-1066		

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.

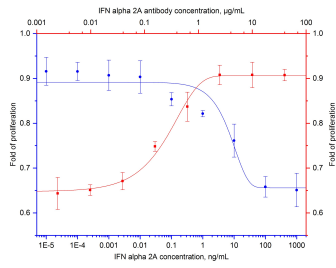
Storage Buffer:
Sterile PBS.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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.