

For Research Use Only

# NeutraKine® IFN Alpha 2A Monoclonal antibody, PBS Only (Capture)

Catalog Number: 69008-1-PBS



## Basic Information

Catalog Number:

69008-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

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, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:

human

## Product Information

69008-1-PBS targets NeutraKine® IFN Alpha 2A as part of a matched antibody pair:

MP50005-1: 69008-1-PBS capture and 68665-1-PBS detection (validated in Sandwich ELISA)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## 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:

Store at -80°C.

Storage Buffer:

PBS Only

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

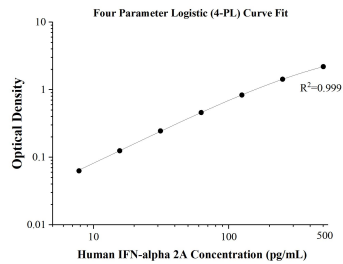
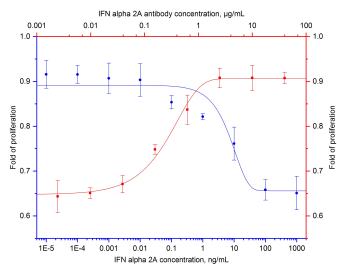
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## Selected Validation Data



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  $\text{ng/mL}$  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  $\text{ng/mL}$ . This data was developed using the same antibody

Sandwich ELISA standard curve of MP50005-1, IFNA2 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 69008-1-PBS. Detection antibody: 68665-1-PBS. Standard: HZ-1066. Range: 7.8-500  $\text{pg/mL}$ .