

## IFN-alpha, clone F18 Monoclonal Antibody

**Catalog No.:** MON 5067

**Quantity:** 200 µg

**Lot:** 6741Q

### Specificity

This monoclonal antibody (subclass IgG1) binds and neutralizes both natural and recombinant mouse alpha Interferon. It may be used for biological assays as well as for purification. The antibody reacts with most isoforms of natural or recombinant mouse alpha interferons. It does not cross react with mouse Interferons beta or gamma, nor with human Interferons.

With the availability of monoclonal antibodies directed against alpha Interferon, it is possible to interpret results obtained from crude materials containing both alpha and beta Interferon. The difficulties in studying in vitro and in vivo effects of "type 1" Interferons arise from the fact that both alpha and beta Interferons are produced in response to the same stimuli and also seem to act via the same receptor. These Interferon activities can only be distinguished from one another by use of specific neutralizing antibodies.

### Immunoglobulin type

Rat IgG1

### Use

This anti mouse alpha Interferon is useful for inhibition in biological assays and for affinity purification. One neutralizing unit of anti-mouse alpha interferon is defined as the amount of antibody sufficient for neutralizing one unit mouse alpha interferon.

Furthermore the antibody can be used for immunoassays, flow cytometry and immunoprecipitation.

### Instructions for use

For flow cytometry dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10. Before use in biological assays, the product must be filter sterilized and depending on the concentrations to be used dialyzed against culture medium to remove the sodium azide added. For neutralization of biological activity dilutions have to be made according to the amount of Interferon to be inactivated. Please inquire for availability of azide free solutions.

### Presentation

1 ml (200 µg/ml) 0.2µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin.

### Literature

- Armstrong, J.A., et al; Semi-micro, dye binding assay for rabbit interferon. J. Appl. Microbiol. 1971, 21:723.
- Van Tiel, F.H., et al; Detection of Semliki Forest virus in cell culture by use of an enzyme immunoassay with peroxidase-labeled monoclonal antibodies specific for glycoproteins E1 and E2. J. Clin. Microbiol. 1984, 20:387.

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