



PRODUCT DATA SHEET

Bioworld Technology, Inc.

IFNAR1 monoclonal antibody

Catalog: MB30044

Host: Mouse

Reactivity: Mouse

BackGround:

Interferon alpha/beta receptor 1: Together with IFNAR2, forms the heterodimeric receptor for type I interferons (including interferons alpha, beta, epsilon, omega and kappa). Type I interferon binding activates the JAK-STAT signaling cascade, and triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and the IFNR alpha- and beta-subunits themselves (By similarity). STAT proteins are then phosphorylated by the JAKs, promoting their translocation into the nucleus to regulate expression of interferon-regulated genes (By similarity). Can also act independently of IFNAR2: form an active IFNB1 receptor by itself and activate a signaling cascade that does not involve activation of the JAK-STAT pathway

Product:

Mouse IgG1. 1mg/ml in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~65.8 kDa

Swiss-Prot:

Purification&Purity:

The antibody was purified by affinity chromatography.

Applications:

IF/ICC (1/50 - 1/200), FC (1/500 - 1/2000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes mouse IFNAR1

DATA:

Western blot analysis of PLC gamma 2 (Phospho-Y1217) expression in Ramos treated with anti-IgM (A) whole cell lysates.

Immunofluorescent analysis of PLC gamma 2 (Phospho-Y1217) staining in Ramos treated with anti-IgM cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

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