

Datasheet

IFNG monoclonal antibody, clone B27 (FITC)

Catalog Number: MAB5864

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against recombinant IFNG.

Clone Name: B27

Immunogen: Recombinant protein corresponding to human IFNG.

Host: Mouse

Reactivity: Human

Applications: ELISA

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: human Interferon-gamma (IFN-gamma)1-2. This is a neutralizing antibody. B27 monoclonal antibody has been used for epitope mapping of human IFN-gamma1. The B27 antibody does not bind to denatured IFN-gamma1.

Form: Liquid

Conjugation: FITC

Isotype: IgG1, kappa

Recommend Usage: The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. Do not freeze.

Entrez GeneID: 3458

Gene Symbol: IFNG

Gene Alias: IFG, IFI

Gene Summary: Interferon-gamma (IFNG), or type II interferon, is a cytokine critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. Aberrant IFNG expression is associated with a number of autoinflammatory and autoimmune diseases. The importance of IFNG in the immune system stems in part from its ability to inhibit viral replication directly, but most importantly derives from its immunostimulatory and immunomodulatory effects. IFNG is produced predominantly by natural killer (NK) and natural killer T (NKT) cells as part of the innate immune response, and by CD4 (MIM 186940) and CD8 (see MIM 186910) cytotoxic T lymphocyte (CTL) effector T cells once antigen-specific immunity develops (Schoenborn and Wilson, 2007 [PubMed 17981204]).[supplied by OMIM]

References:

1. Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, Silver JE. Immunol Rev. 1992 Jun;127:5-24.
2. Epitope mapping of recombinant human gamma interferon using monoclonal antibodies. Favre C, Wijdenes J, Cabrillat H, Djossou O, Banchereau J, de Vries JE. Mol Immunol. 1989 Jan;26(1):17-25.