

## IFN-gamma Monoclonal Antibody

### Description

|                                |  |
|--------------------------------|--|
| <b>Product type</b>            | Antibody   |
| <b>Code</b>                    | BT-MCA4532   |
| <b>Host</b>                    | Mouse  |
| <b>Isotype</b>                 | Mouse IgG1   |
| <b>Size</b>                    | 100µL, 50µL  |
| <b>Immunogen</b>               | Recombinant human IFN-gamma (BioSource company, Cat.No. PHC4033) |
| <b>Mol wt</b>                  | N/A  |
| <b>Species reactivity</b>      | Human  |
| <b>Clonality</b>               | Monoclonal   |
| <b>Recommended application</b> | Others   |
| <b>Concentration</b>           | N/A  |
| <b>Full name</b>               | N/A  |
| <b>Synonyms</b>                | IFG;IFI;IFNG   |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

IFN-gamma (interferon, gamma) is an antiviral and antiparasitic agent produced by CD4+/CD8+ lymphocytes and natural killer cells that undergo activation by antigens, mitogens or alloantigens. It is a pleiotropic cytokine involved in the regulation of nearly all phases of immune and inflammatory responses, including the activation, growth and differentiation of T cell, B cells, macrophages, NK cells and other cell types such as endothelial cells and fibroblasts. The active form of IFN-G is a homodimer with each subunit containing six helices. The dimeric structure of human IFN-G is stabilized by non-covalent interactions through the interface of the helices. IFN-G translated precursor is 166 amino acids, including the 23 amino acid secretory sequence. It is upregulated by IL2, FGF basic, EGF and downregulated by vitamin D3 or DMN. Multiple forms exist due to variable glycosylation and under non-denaturing conditions due to dimers and tetramers.

### Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

### Images



Western blot analysis using IFN-gamma mouse mAb against IFN-gamma recombinant protein.

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.