

For Research Use Only

NeutraControl IFN gamma Monoclonal antibody

Catalog Number: 69507-1-Ig



Basic Information

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| Catalog Number: 69507-1-Ig | GenBank Accession Number: GeneID (NCBI): 3458 | Purification Method: Protein G purification |
| Size: 100ug | ENSEMBL Gene ID: ENSG00000111537 | CloneNo.: 2F11G6 |
| Source: Mouse | Full Name: IFN gamma | |
| Isotype: IgG1 | | |
| Immunogen Catalog Number: HZ-1301 | | |

Applications

Tested Applications:
ELISA, Non-Neutralization

Species Specificity:
Human

Background Information

Interferon gamma (IFNG) is a soluble cytokine that is the only member of the type II class of interferons. It is secreted by Th1 cells, cytotoxic T cells and NK cells. The cytokine is associated with antiviral, immunoregulatory and anti-tumor properties and is a potent activator of macrophages. It plays crucial roles in pathogen clearance. Aberrant IFNG expression is associated with a number of autoinflammatory and autoimmune diseases. It has been identified in many studies as a biomarker for pleural tuberculosis (TB). Mutations in this gene are associated with aplastic anemia.

This antibody is a neutralizing control antibody for IFN gamma, the immunogen is the same as Neutrakine 69007-1-Ig but could not neutralize human IFN gamma.

Storage

Storage:
Lyophilized antibodies are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at(4°C) for short term or at(-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Storage Buffer:
Sterile PBS.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

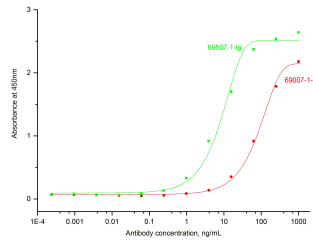
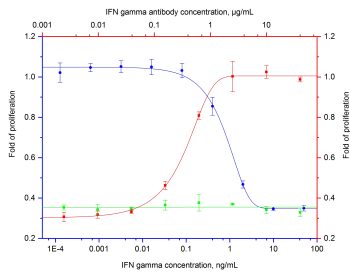
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Recombinant human IFN-gamma (Cat.NO. HZ-1301) inhibits HT-29 cell line (human colorectal adenocarcinoma cell line) proliferation in the presence of 0.5 ng/mL TNF alpha in a dose-dependent manner (blue curve, refer to bottom X-left Y axis). The activity of human IFN-gamma (5 ng/mL HZ-1301 axis) is neutralized by mouse anti-human IFN-gamma monoclonal antibody 69007-1-Ig at serial dose (red curve, refer to top X-right Y axis). The ND50 is typically 100-



Indirect ELISA was carried out by coating recombinant Human IFN gamma (Cat.NO. HZ-1301) at 70 ng/well followed by blocking and adding serial diluted IFN gamma antibody 69007-1-Ig and 69507-1-Ig respectively. Signal was developed with TMB and stopped by H2SO4. Signal strength was measured by absorbance at 450 nm.