

## Anti-Human IFN gamma SAFIRE Purified

Catalog Number :80821-25

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Clone:** NIB42

**Format/Conjugate:** SAFIRE Purified

**Concentration:** 1 mg/mL

**Reactivity:** Human

**Laser:** Not Applicable

**Peak Emission:** Not Applicable

**Peak Excitation:** Not Applicable

**Filter:** Not Applicable

**Brightness (1=dim,5=brightest):** Not Applicable

**Isotype:** Mouse IgG1, kappa

**Formulation:** Phosphate-buffered aqueous solution, pH7.2.

**Storage:** Product should be kept at 2-8°C and protected from prolonged exposure to light.

**Applications:** FC, Neutralization,

### Description

The NIB42 monoclonal antibody specifically reacts with human interferon gamma, a multifunctional cytokine that is produced mainly by activated T and NK cells. Interferon gamma has anti-viral and anti-parasitic properties and plays an important role in the activation, growth, and differentiation of macrophages, B and T lymphocytes, and natural killer cells. It interacts synergically with other cytokines, such as TNF- $\alpha$ , to inhibit proliferation of normal and transformed cells. The NIB42 antibody neutralizes IFN- $\gamma$ .

### Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/ $\mu$ g of the protein.

### Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

### References

1. Meager, A. (1987). Antibodies against interferons: Characterization of interferons and immunoassays.; Lymphocytes and Interferons. A Practical Approach. Clemens, MJ, AG Morris, and AJH Gearing, eds. IRL Press Ltd. Oxford, 105.
2. Meager, A., Parti, S., Barwick, S., Spragg, J., O'hagan, K. (1984). Detection of hybridomas secreting monoclonal antibodies to human gamma interferon using a rapid screening technique and specificity of certain monoclonal antibodies to gamma interferon.; Journal of interferon research, 4(4), 619-625.