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Technical Data Sheet

Anti-Mouse IFN gamma SAFIRE Purified

Catalog Number :80822-25

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

Product Information

Clone: R4-6A2

Format/Conjugate: SAFIRE Purified

Concentration: 1.0 mg/mL

Reactivity: Mouse

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

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

Isotype: Rat IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, ph7.2.

Storage: Product should be kept at 2-8°C.

Applications: FA

Description

The R4-6A2 monoclonal antibody specifically reacts with mouse interferon gamma (IFN-g), an acid-labile interferon produced by CD4 and CD8 T lymphocytes as well as activated NK cells. IFN gamma receptors are present in most immune cells, which respond to its signaling by increasing the surface expression of class I MHC proteins. This promotes the presentation of antigen to T-helper (CD4+) cells. Additionally, it stimulates a number of lymphoid cell functions, including the anti-microbial and anti-tumor responses of macrophages, NK cells, and neutrophils.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography.

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.Spitalny, G. L., Havell, E. A. (1984). Monoclonal antibody to murine gamma interferon inhibits lymphokine-induced antiviral and macrophage tumoricidal activities.;The Journal of experimental medicine,;159(5), 1560-1565.

2. Grau, G. E., Heremans, H., Piguet, P. F., Pointaire, P., Lambert, P. H., Billiau, A., Vassalli, P. (1989). Monoclonal antibody against interferon gamma can prevent experimental cerebral malaria and its associated overproduction of tumor necrosis factor.;Proceedings of the National Academy of Sciences,;86(14), 5572-5574.

3. Sadick, M. D., Heinzel, F. P., Holaday, B. J., Pu, R. T., Dawkins, R. S., Locksley, R. M. (1990). Cure of murine leishmaniasis with anti-interleukin 4 monoclonal antibody. Evidence for a T cell-dependent, interferon gamma-independent mechanism.;The Journal of experimental medicine,;171(1), 115-127.

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