Technical Data Sheet

Anti-Human IL-4 SAFIRE Purified

Catalog Number :81121-25

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

Product Information

Clone: MP4-25D2

Format/Conjugate: SAFIRE Purified

Concentration: 2.0 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: Rat IgG1, kappa

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

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

Applications: FA, Neutralization

Description

The MP4-25D2 monoclonal antibody specifically reacts with human Interleukin-4 (IL-4), expressed by the activated T cells and mast cells. IL-4 is species-specific and stimulates the proliferation and differentiation of B lymphocytes. It upregulates the expression of IgE receptors and class II MHC antigen. The MP4-25D2 is a neutralizing antibody and is reported to be cross-reactive with rhesus monkeys.

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.Abrams, J. S., Roncarolo, M. G., Yssel, H., Andersson, U., Gleich, G. J., Silver, J. E. (1992). Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples.Immunological reviews,;127(1), 5-24.

2. Chrétien, I., Van Kimmenade, A., Pearce, M. K., Banchereau, J., Abrams, J. S. (1989). Development of polyclonal and monoclonal antibodies for immunoassay and neutralization of human interleukin-4.;Journal of immunological methods,;117(1), 67-81.

3. Jung, T., Schauer, U., Rieger, C., Wagner, K., Einsle, K., Neumann, C., Heusser, C. (1995). Interleukin-4 and interleukin-5 are rarely co-expressed by human T cells.;European journal of immunology,;25(8), 2413-2416.