

TECHNICAL DATA SHEET

APC Anti-Human IL-4 (MP4-25D2)

Catalog Number: 20-7048

PRODUCT INFORMATION

Contents: APC Anti-Human IL-4 (MP4-25D2)

Isotype: Rat IgG1, kappa

Concentration: 5 uL (0.0375ug)/test

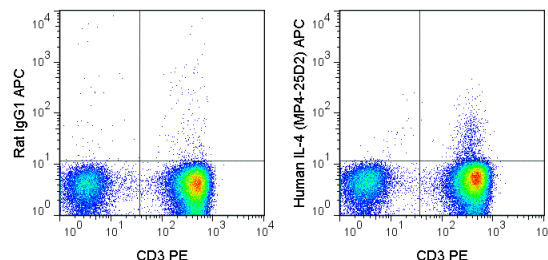
Clone: MP4-25D2

Reactivity: Human

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% Na₃, 0.1% gelatin, pH7.2



Human peripheral blood lymphocytes were stimulated with PMA and Ionomycin and stained with PE Anti-Human CD3 (50-0038), followed by intracellular staining with 5 uL (0.0375 ug) APC Anti-Human IL-4 (20-7048) (right panel) or 0.0375 ug APC Rat IgG1 (left panel).

DESCRIPTION

The MP4-25D2 antibody is specific for human IL-4, a pleiotropic cytokine that Th2 cell differentiation, B cell proliferation and differentiation, and B cell class switching to IgE. MP4-25D2 is a neutralizing antibody and is reported to cross react with rhesus monkey IL-4.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 uL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 uL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10⁵ to 1x10⁸ cells.

REFERENCES

Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, and Silver JE. 1992. Immunol Rev. 127:5-24. Chretien I, Van Kimmenade A, Pearce MK, Banchereau J, and Abrams JS. 1989. J Immunol Methods. 117(1):67-71. Jung T, Schauer U, Rieger C, et al. 1995. Eur J Immunol. 25(8):2413-2416. Prussin C and Metcalfe DD. 1995. J Immunol Methods. 188(1):117-128.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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