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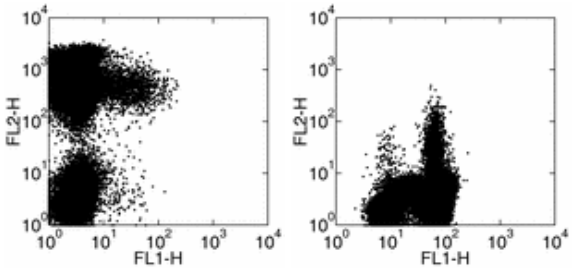
Product Information

Contents: Allophycocyanin (APC) anti-human interleukin-4 (IL-4)
Catalog Number: 17-7048
Sizes: 50 ug, 100 ug
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN_3
Storage Conditions: Store at 4°C.
DO NOT FREEZE.
LIGHT SENSITIVE MATERIAL.
Clone: MP4-25D2
Isotype: Rat IgG1, κ



Human peripheral blood mononuclear cells were stimulated with PMA and ionomycin in the presence of Brefeldin A for 5 hours. (Left) The cells were surface stained with PE anti-human CD3 (UCHT1) and intracellularly stained with FITC anti-human IL-4 (MP4-25D2). (Right) The cells were surface stained with FITC anti-human CD3 and intracellularly stained with PE anti-human IL-4.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-7048	FITC anti-human IL-4 (Interleukin-4)	488	518	IC
12-7048	PE anti-human IL-4 (Interleukin-4)	488	575	IC
13-7048	Biotin anti-human IL-4 (Interleukin-4)	N/A	N/A	ELISA det ELISPOT det
14-7048	Affinity Purified anti-human IL-4 (Interleukin-4)	N/A	N/A	IC
16-7048	Functional Grade* Purified anti-human IL-4 (Interleukin-4)	N/A	N/A	BA
17-7048	APC anti-human IL-4 (Interleukin-4)	633	660	IC

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/µg.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

Description

The MP4-25D2 antibody reacts with human interleukin-4 (IL-4), a 15-19 kDa cytokine secreted by Th2 cells.

Usage

For research use only, not for diagnostic or therapeutic use. MP4-25D2 has been reported for use in intracellular flow cytometric analysis.

Applications Tested

The MP4-25D2 antibody has been tested for intracellular staining and flow cytometric analysis and can be used at less than or equal to 0.5 µg/million cells.

References

Ramanathan, L., R. Ingram, et al. (1993). Immunochemical mapping of domains in human interleukin 4 recognized by neutralizing monoclonal antibodies. Biochemistry 32(14): 3549-56.
Abrams, J. S., M. G. Roncarolo, et al. (1992). Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. Immunol Rev 127: 5-24.