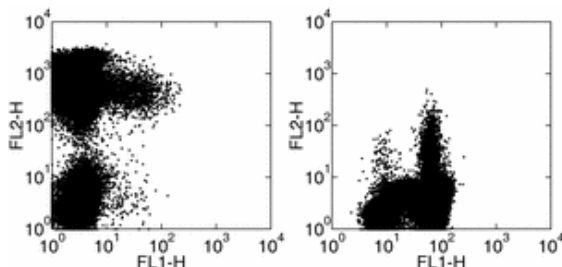


## Anti-Human IL-4 Purified

Catalog Number: 14-7048

Also Known As: Interleukin-4, IL4

RUO: For Research Use Only



Staining of human peripheral blood mononuclear cells stimulated with PMA/Ionomycin in the presence of Brefeldin A for 5 hours with Anti-human CD3 PE (cat. 12-0039) and intracellularly stained with Anti-Human IL-4 FITC (left) or with Anti-human CD3 FITC and intracellularly stained with Anti-Human IL-4 PE (right).

### Product Information

Contents: Anti-Human IL-4 Purified

**REF** Catalog Number: 14-7048

Clone: MP4-25D2

Concentration: 0.5 mg/ml

Host/Isotype: Rat IgG1,  $\kappa$

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

### Description

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

### Applications Reported

MP4-25D2 has been reported for use in neutralizing IL-4 binding and biological activity (use Functional Grade purified cat.16-7048). Please refer to the supporting protocols for more information.

### Applications Tested

The purified MP4-25D2 can be used for blocking of fluorochrome conjugated MP4-25D2 in intracellular flow cytometry experiments to serve as specificity control. This biotinylated format for this lot of MP4-25D2 has been tested by sandwich ELISA for detection of human IL-4 in combination with 8D4-8 and can be used at 1  $\mu$ g/ml. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### 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.

### Related Products

13-4813 Anti-Rat IgG Biotin (Polyclonal)

14-4301 Rat IgG1 K Isotype Control Purified

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [www.eBioscience.com](http://www.eBioscience.com) • [info@eBioscience.com](mailto:info@eBioscience.com)