

Product Information

Contents: Functional Grade Purified anti-human interleukin-4 (IL-4)

Catalog Number: 16-7048

Sizes: 50 ug, 500 ug

Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, No NaN₃

Storage Conditions: Store at 4°C.

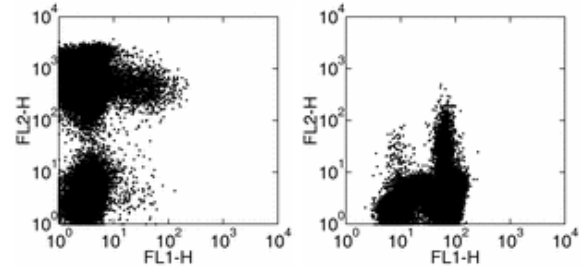
Avoid repeated freeze/thaw cycles.

KEEP CONTENT STERILE.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

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 neutralizing IL-4 binding and biological activity. Please refer to the supporting protocols for more information. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Applications Tested

The MP4-25D2 antibody has been tested for neutralizing IL-4 binding and biological activity.

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.

