



Rat Anti-Human IL-4

Cat. No.	Format	Size
10117-01	Purified (UNLB)	0.5 mg
10117-08	Biotin (BIOT)	0.5 mg
10117-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg

Overview

Clone MP4-25D2 Isotype Rat IgG₁κ

CHO-expressed human IL-4 Immunogen

Specificity Human/Rhesus/Cynomolgus/Baboon IL-4

Interleukin-4, T cell growth factor-2, TCGF-2, la inducing factor, lalF, B cell stimulating factor-1, BSF-1, Alternate Name(s)

Hodgkin's cell growth factor, HCGF, mast cell growth factor-2, MCGF-2, macrophage fusion factor, MFF,

T cell growth factor-2, TCGF-2, Hodgkin's cell growth factor, HCGF

Applications

ELISA-Detection - Quality tested 1,2,4,5 ELISA-Capture - Reported in literature 3 ELISPOT-Capture - Reported in literature 2,6 ELISPOT-Detection - Reported in literature 7 FC – Reported in literature 8-10 IHC-FS - Reported in literature 11-13 Neut – Reported in literature 1,14,15 Multiplex-Detection – Reported in literature 16

Working Dilutions

ELISA BIOT conjugate 1:2,000 - 1:4,000

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is

appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No
 preservatives or amine-containing buffer salts added. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no
 preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple
 freeze / thaw cycles.
- Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

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- 2. Mahanty S, Abrams JS, King CL, Limaye AP, Nutman TB. Parallel regulation of IL-4 and IL-5 in human helminth infections. J Immunol. 1992;148:3567-71. (ELISA-Detection, ELISPOT-Capture)
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- 6. Klinman D. ELISPOT assay to detect cytokine-secreting murine and human cells. Curr Protoc Immunol. 2008;6.19:1-9. (ELISPOT-Capture)
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- 11. Andersson J, Abrams J, Björk L, Funa K, Litton M, Ågren K, et al. Concomitant in vivo production of 19 different cytokines in human tonsils. Immunology. 1994;83:16-24. (IHC-FS)
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- 15. Cousins DJ, Lee TH, Staynov DZ. Cytokine coexpression during human Th1/Th2 cell differentiation: direct evidence for coordinated expression of Th2 cytokines. J Immunol. 2002;169:2498-506. (Neut)
- 16. Hutchinson KL, Villinger F, Miranda ME, Ksiazek TG, Peters CJ, Rollin PE. Multiplex analysis of cytokines in the blood of cynomolgus macaques naturally infected with Ebola virus (Reston serotype). J Med Virol. 2001;65:561-6. (Multiplex-Detection, Cynomolgus Reactivity)

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