



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 IgG _{1κ}
Immunogen	CHO-expressed human IL-4
Specificity	Human/Rhesus/Cynomolgus/Baboon IL-4
Alternate Name(s)	Interleukin-4, T cell growth factor-2, TCGF-2, Ia inducing factor, IaIF, B cell stimulating factor-1, BSF-1, 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 labeled antibody 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. **Aliquot and store at or below -20°C.**
- 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 (M)SDS.

References

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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, Agren 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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13. Sparrelid E, Emanuel D, Fehniger T, Andersson U, Andersson J. Interstitial pneumonitis in bone marrow transplant recipients is associated with local production of TH2-type cytokines and lack of T cell-mediated cytotoxicity. *Transplantation.* 1997;63:1782-9. (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)