



Product Specification Sheet

Cat. #MA-20007

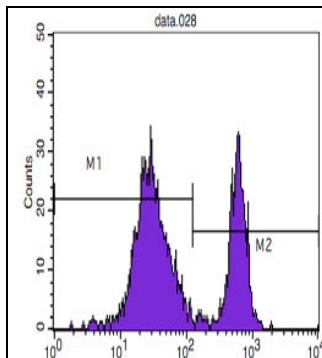
Mouse Monoclonal Anti-Human CD4 ;Affinity pure

SIZE: 100 ul

The CD4 antigen is highly expressed on human T helper cells and thymocytes, and at lower levels on monocytes and dendritic cells. This integral membrane glycoprotein of approximately 58 kDa contains four external domains (D1 to D4) that show homology to members of the immunoglobulin (Ig) superfamily. It is responsible for the recognition of the MHC class II antigen. The CD4 antibody recognizes most thymocytes and about 65% of peripheral blood T cells.

Source of Antigen and Antibodies

Antigen	Purified recombinant fragment of human CD4 expressed in E. Coli.
Ab Host/type	Balb/c mouse. Isotype: IgG1 Purified antibody in PBS containing 0.05% sodium azide.
2-Ab	Goat Anti-mouse IgG-HRP conjugate Cat # 40320 (AP, biotin, FITC conjugates also available))
-ve control IgG	Cat # 20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control



Flow cytometric analysis of blood T cells using CD4 mouse mAb (M2) and negative control (M1).

References:

M Benkirane J Virol. 1995 November; 69(11): 6898–6903.

**All product are for In vitro research use only.*

Related material available from GSI

Isotype Controls

20102-101	Mouse IgG1 isotype control, purified
20102-101-APC	Mouse IgG1-APC conjugate (isotype)
20102-101-B	Mouse IgG1-Biotin conjugate (isotype)
20102-101-F	Mouse IgG1-FITC conjugate (isotype)
20102-101-FP	Mouse IgG1-FITC-PE conjugate (isotype)
20102-101-HP	Mouse IgG1-HRP conjugate (isotype)
20102-101-PC5	Mouse IgG1-PE-Cy5 conjugate (isotype)
20102-101-PE	Mouse IgG1-PE conjugate (isotype control)

MA-20007

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Suggested Dilutions:

Western blot	N/A
Immunohistochemistry (IHC):	N/A
Immunocytochemistry (ICC):	N/A
Flow cytometry (FCM):	1/200-1/400
ELISA	1:5000-1:10000

Form: Antibodies are supplied in PBS, pH 7.5, 0.05% azide and 0.1% BSA in liquid (0.5-1 mg/ml) or lyophilized in the same buffer. Reconstitute powder in 100 ul water or PBS. Store at -20oC or below in suitable size Aliquots.

Shipping: 4oC for solutions and room temp for powder.