

Monoclonal Antibody to CD4 - FITC

Alternate names:	T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4
Catalog No.:	AM08120FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	CD4 is a single chain transmembraneous glycoprotein (59 kDa) which belongs to the immunoglobulin superfamily. CD4 is present on a subset of T lymphocytes ("helper/inducer" T cells) and is also expressed at a lower level on monocytes, tissue macrophages and granulocytes. The antigen is involved in binding to MHC class II molecules. The intracellular domain of the antigen is associated with p56lck protein tyrosine kinase.
Uniprot ID:	Q6Q4G0
NCBI:	9031
Host / Isotype:	Mouse / IgM
Clone:	EP96
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Chicken CD4 (Mr. 64 kDa). EP96 inhibits both PHA- and Con A-induced proliferative responses of splenocytes, and PWM-induced IL-2 production. (Ref.1) Species: Chicken. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Ratcliffe, M. 1996. Personal communication. 2. Cooper, M.D., R.P. Bucy, and C.-L. Chen. 1990. In: The Avian Model in Developmental Biology: From Organism to Genes. Editions du CNRS, pp. 239-249.

Pictures:

Immunofluorescent Staining: Chicken peripheral blood mononuclear cells were double stained with anti-Chicken CD4-FITC and anti-Chicken TCR alpha/beta-PE (AM08114FC-N). Small lymphocytes were then gated and analyzed on a FACScan(TM) flow cytometer (BDIS, San Jose, CA). Amount Used: 1 µg/10e6 cells.

