

Monoclonal Antibody to Porcine CD4a - PE

Alternate names:	CD4, Pig CD4a, T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4
Catalog No.:	AM08106RP-N
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	Porcine CD4 is a type I transmembrane glycoprotein and a member of the immunoglobulin superfamily of cell surface receptors. It has a pattern of expression similar to human CD4 and is not expressed on porcine CD8+ T cells. CD4 is an accessory molecule in the recognition of foreign antigens in association with MHC Class II molecules by T lymphocytes. (Ref.1-4)
Host / Isotype:	Mouse / IgG2b
Clone:	74-12-4
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE – R-Phycoerythrin
Applications:	Flow Cytometry: < / = 0.2 µg/10e6 cells. (Ref.1-4) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Porcine CD4a (Mr. 55 kDa). Species: Pig. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Pescovitz, M.D., .K. Lunney, and D.H. Sachs. 1984. J. Immunol. 133:368. 2. Yamada, K., D.H. Sachs, and H. DerSimonian. 1995. J. Immunol. 155:5249. 3. Smith, C.V., T. Sablinski, J.S. Arn, et al. 1994. J. Immunother. with Emphasis on Tumor Immunology 16:105. 4. Sundt, T.M., C. LeGuern, S. Germana, et al. 1995. J. Immunol. 148:3195.

Pictures:

Immunofluorescent Staining: Peripheral blood mononuclear cells were isolated from heparinized pig blood on Ficoll-Hypaque density gradients and double-stained with Mouse anti-Pig CD4a-PE and Mouse anti-Pig CD8a-FITC. Lymphocytes were gated and analyzed on a FACScan(TM) flow cytometer (BDIS, San Jose, CA). Amount Used: 0.1 µg/10e6 cells.

