

Monoclonal Antibody to CD1a - FITC

Alternate names:	T-cell surface antigen T6/Leu-6, T-cell surface glycoprotein CD1a, T6/Leu-6, hTa1, hTa1 thymocyte antigen
Catalog No.:	AM08103FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	All CD1 molecules, except CD1e, are cell surface glycoproteins that are structurally related to the MHC molecules, however, in distinction, CD1 proteins are essentially non polymorphic. CD1 has considerable structural homology with both MHC class I and class II molecules, and CD1 molecules are involved in T cell activation. In contrast to MHC, however, CD1 molecules appear to present predominantly non peptide molecules originating from lipids and glycolipids.
Uniprot ID:	Q9XS72
NCBI:	NP_998996
GeneID:	396785
Host / Isotype:	Mouse / IgG2a
Clone:	76-7-4
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 is specific for Porcine CD1 (Mr 43-49 kDa). Species: Pig. 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. Denham, S., M. Shimizu, A.T. Bianchi, et al. 1994. Vet. Immunol. Immunopathol. 43:259. 2. Saalmuller, A. 1996. Immunol. Today 17:352. 3. Pescovitz, M.D., J.K. Lunney, and D.H. Sachs. 1984. J. Immunol. 133:368.

Pictures:

Immunofluorescent Staining: Peripheral blood mononuclear cells were isolated from heparinized Pig blood on Ficoll-Paque density gradients and incubated with Mouse anti-Pig CD1 antibody-FITC ((AM08103FC-N) and Mouse anti-Pig CD3e antibody-PE (AM08104RP-N). The cells were then stained with Streptavidin-FITC Lymphocytes were gated and analyzed on a FACScan(TM) flow cytometer (BDB, San Jose, CA). Amount Used: 1 µg/10e6 cells.

