SONY

Product Data Sheet

Purified anti-pig CD4a

Catalog # / Size: 1850010 / 100 µg

Clone: 74-12-4

Isotype: Mouse IgG2b, κ

Immunogen: Swine thymocytes

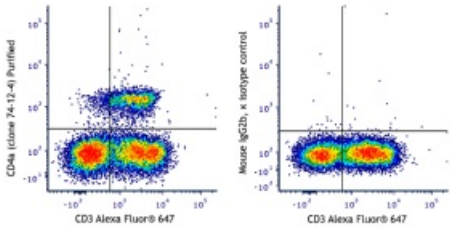
Reactivity: Pig

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Workshop Number: 750 under optimal conditions.

Concentration: 0.5

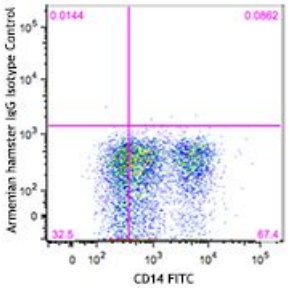


Porcine peripheral blood lymphocytes were stained with anti-swine CD3 Alexa Fluor® 647 and purified anti-pig CD4a (clone 74-12-4) (left), or purified mouse IgG2b, κ isotype control (right), followed by anti-mouse IgG FITC.

Applications:

Applications: Flow Cytometry, Immunoprecipitation

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.125 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.



Application Notes: Clone 74-12-4 recognizes the allele CD4.A in swine T cells.

Application References:

1. Pescovitz, M.D. *et al*. 1984. *J. Immunol*. 133:368 (FC, IP)
2. Pescovitz, M.D. *et al*. 1985. *J. Immunol*. 134:37 (FC)
3. Saalmuller, A., *et al*. 1987. *Eur. J. Immunol*. 17:1297 (FC)

Description: CD4 is a 55 kDa, type I glycoprotein expressed by tymocytes, helper T cells (Th), plasmacytoid dendritic cells (also known as natural interferon-producing cells or NIPC). In Pigs there a CD4+/CD8+ double positive subset that increase with age and have characteristics of memory T cells.

Antigen References:

1. Gustafsson K, *et al*. 1993. *J Immunol*. 151:1365
2. Blanc F, *et al*. 2018. *Immunogenetics.* 70:209
3. Zhang F, *et al*. 2019. *Gene*. 707:22

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