

Mouse CD4a Monoclonal Antibody | anti-CD4a antibody

MOUSE ANTI PIG CD4a:FITC

CATALOG # AAA49066	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
------------------------------	----------------------	---

PRODUCT SYNONYMS

CD4a; Monoclonal Antibody; MOUSE ANTI PIG CD4a:FITC; anti-CD4a antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	MIL17
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Applicable Applications for anti-CD4a antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Pig
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Staining of porcine peripheral blood lymphocytes with Mouse anti Porcine CD4a followed by Goat anti Mouse IgG:FITC



Application Data

Staining of porcine peripheral blood lymphocytes with Mouse anti Porcine CD4a:FITC

ADDITIONAL INFORMATION

Related Product Information for anti-CD4a antibody	Mouse anti Porcine CD4a, clone MIL17 recognizes a 55kDa porcine homologue to the human CD4 antigen found on the surface of helper-T cells. MIL-17 was confirmed as a member of the CD4a cluster at the 'Third International Workshop on Swine Leukocyte Differentiation Antigens' (Haverson et al. 2001). Porcine CD4 is a type 1 trans-membrane member of the immunoglobulin superfamily. Pigs appear unusual amongst mammalian species as they appear to have four populations of resting T lymphocytes. In addition to the two populations of mutually exclusive CD4+/CD8- and CD4-/CD8+ lymphocytes, they also appear to have significant populations of CD4-/CD8- and CD4+/CD8+ cells. Lymphoblasts with a double positive phenotype have been described in other species but this is not the case for mature T lymphocytic calls (Saalmuller et al. 1987) Mouse anti Pig CD4a, clone MIL17 stains a population of cells with characteristic lymphocyte morphology in immunohistochemistry (Inman et al. 2010).
--	--

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd4a-antibody-clone-mil17-flow-cytometry-elisa/49066>