

Mouse anti-Pig CD4 Monoclonal Antibody | anti-CD4 antibody

Mouse Anti Pig CD4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50361	Mouse	Pig	Flow Cytometry, Functional Assay

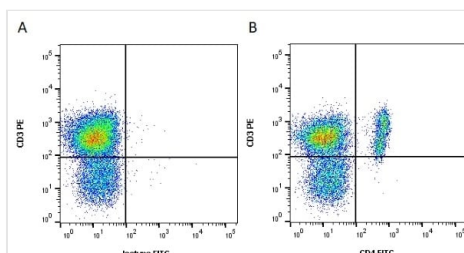
PRODUCT SYNONYMS

CD4; Monoclonal Antibody; Mouse Anti Pig CD4; CD4 antibody (b38c6c7); anti-CD4 antibody

PRODUCT SPECIFICATIONS

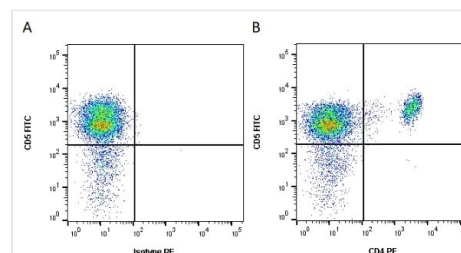
Host	Mouse
Reactivity	Pig
Clonality	Monoclonal
Isotype	IgG1
Clone Number	b38c6c7
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Form/Format	Liquid; Phosphate Buffered Saline
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	487
Applicable Applications for anti-CD4 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Porcine leukocytes
Carrier Free	Yes
Preservative Stabilizers	0.09% Sodium Azide (NaN3)
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. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

IMAGES



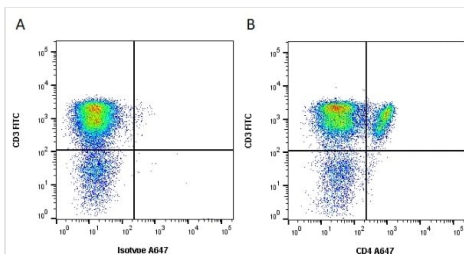
Application Data

Figure A. RPE conjugated Mouse anti Pig CD3 and FITC conjugated Mouse IgG1 isotype control . Figure B. RPE conjugated Mouse anti Pig CD3 and FITC conjugated Mouse anti Pig CD4 . All experiments performed on frozen porcine blood gated on live single cell lymphocytes in the presence of 10% pig serum. Data acquired on the ZE5 Cell Analyzer.



Application Data

Figure A. FITC conjugated Mouse anti Pig CD5 and Alexa Fluor 647 conjugated Mouse IgG1 isotype control detected with Goat anti Mouse IgG1:RPE . Figure B. FITC conjugated Mouse anti Pig CD5 and Mouse anti Pig CD4 detected with Goat anti Mouse IgG1:RPE . All experiments performed on frozen porcine blood gated on live single cell lymphocytes in the presence of 10% pig serum. Data acquired on the ZE5 Cell Analyzer.



Application Data

Figure A. FITC conjugated Mouse anti Pig CD3 and Alexa Fluor 647 conjugated Mouse IgG1 isotype control . Figure B. FITC conjugated Mouse anti Pig CD3 and Alexa Fluor 647 conjugated Mouse anti Pig CD4 . All experiments performed on frozen porcine blood gated on live single cell lymphocytes in the presence of 10% pig serum. Data acquired on the ZE5 Cell Analyzer.

ADDITIONAL INFORMATION

Related Product Information for anti-CD4 antibody

Mouse anti Porcine CD4, clone b38c6c7 recognizes a ~55 kDa porcine homologue of the human CD4 antigen found on the surface of T helper cells. Clone b38c6c7 was confirmed to bind to a member of the CD4 alpha cluster at the 'Third International Workshop on Swine Leukocyte Differentiation Antigens' (Haverson et al. 2001).

Porcine CD4 is a type 1 transmembrane member of the immunoglobulin superfamily. Pigs are unusual among mammalian species as they appear to have four populations of resting T lymphocytes. In addition to 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 not in the case of mature peripheral T cells (Saalmuller et al. 1987).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4539032
NCBI GeneID	395362
UniProt Accession #	Q9W6V7
NCBI Official Full Name	CD4
NCBI Official Synonym Full Names	CD4 molecule
NCBI Official Symbol	CD4
NCBI Protein Information	T-cell surface glycoprotein CD4
UniProt Protein Name	CD4
UniProt Gene Name	CD4

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.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd4-antibody-clone-b38c6c7-flow-cytometry-elisa/50361>