

Mouse anti-Pig CD1 Monoclonal Antibody | anti-CD1 antibody

Mouse Anti Pig CD1: RPE

CATALOG # AAA50369	HOST Mouse	REACTIVITY Pig	APPLICATIONS Flow Cytometry, Functional Assay
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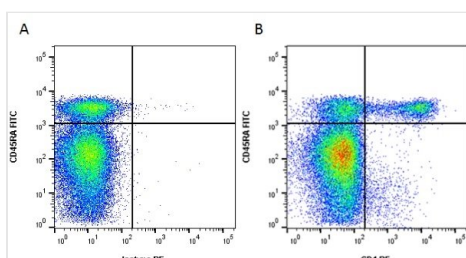
PRODUCT SYNONYMS

CD1; Monoclonal Antibody; Mouse Anti Pig CD1: RPE; CD1 antibody (76-7-4); Mouse anti Pig CD1; anti-CD1 antibody

PRODUCT SPECIFICATIONS

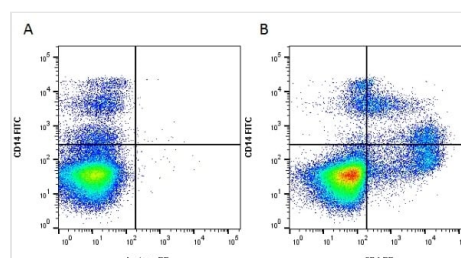
Host	Mouse
Reactivity	Pig
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	76-7-4
Purity/Purification	Purified IgG prepared by combination of precipitation and chromatography techniques
Form/Format	Liquid; Borate Buffered Saline
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	339
Applicable Applications for anti-CD1 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Fresh dd miniature swine thymocytes
Conjugation	RPE
Preservative Stabilizers	0.09% Sodium Azide (NaN3)
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.

IMAGES



Application Data

FITC conjugated Mouse anti Porcine CD45RA and RPE conjugated Mouse IgG2a isotype control . Figure B. FITC conjugated Mouse anti Porcine CD45RA and RPE conjugated Mouse anti Porcine CD1 . All experiments performed on red cell lysed porcine blood gated on lymphocytes in the presence of 10% pig serum. Data acquired on the ZE5 Cell Analyzer.



Application Data

FITC conjugated Mouse anti Porcine CD14 and RPE conjugated Mouse IgG2a isotype control . Figure B. FITC conjugated Mouse anti Porcine CD14 and RPE conjugated Mouse anti Porcine CD1 . All experiments performed on red cell lysed porcine blood gated on mononuclear cells in the presence of 10% pig serum. Data acquired on the ZE5 Cell Analyzer.

ADDITIONAL INFORMATION

Related Product Information for anti-CD1 antibody	Mouse anti Pig CD1 antibody, clone 76-7-4 recognizes a porcine homologue of the human CD1 cell surface receptor. CD1 is a member of the immunoglobulin superfamily. While it is structurally similar to the MHC class I receptor CD1 differs functionally by presenting lipid antigens to T cells (Germain & Margulies, 1993). To date, five classes of the CD1 genes have been identified across different mammalian species, namely CD1A, CD1B, CD1C, CD1D, and CD1E (Brigl & Brenner, 2004). In swine various tissues express CD1C even though its gene has been reported to carry a loss-of-function mutation (Eguchi-Ogawa et al. 2007). CD1 is predominantly found on dendritic cells, macrophages, monocytes, and thymocytes (Chun et al. 1999).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47523190
NCBI GeneID	396785
NCBI Accession #	NP_998996.1
NCBI GenBank Nucleotide #	NM_213831.1
UniProt Accession #	Q9XS72
NCBI Official Full Name	T-cell surface glycoprotein CD1a
NCBI Official Symbol	CD1.1
NCBI Official Synonym Symbols	CD1A; cd1a1
NCBI Protein Information	T-cell surface glycoprotein CD1a
UniProt Protein Name	T-cell surface glycoprotein CD1a
UniProt Gene Name	CD1A
UniProt Synonym Gene Names	CD1.1
UniProt Entry Name	CD1A_PIG

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/cd1-antibody-clone-76-7-4-flow-cytometry-elisa/50369>