

Mouse anti-Pig CD11R3 Monoclonal Antibody | anti-CD11R3 antibody

MOUSE ANTI PIG CD11R3:RPE

CATALOG # AAA50480	HOST Mouse	REACTIVITY Pig	APPLICATIONS Flow Cytometry, Functional Assay
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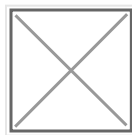
PRODUCT SYNONYMS

CD11R3; Monoclonal Antibody; MOUSE ANTI PIG CD11R3:RPE; anti-CD11R3 antibody

PRODUCT SPECIFICATIONS

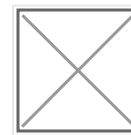
Host	Mouse
Reactivity	Pig
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2F4/11
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized ALEXA FLUOR 647, FITC, Purified, RPE Phosphate buffered saline 0.09% sodium azide (NaN ₃) 1% bovine serum albumin 5% sucrose
Applicable Applications for anti-CD11R3 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Porcine alveolar macrophages
Reconstitution	Reconstitute with 1 ml distilled water

IMAGES



Application Data

Published customer image: Mouse anti Porcine CD11R3 antibody, clone 2F4/11 employed in the measurement of CD11R3 expression as a measure of neutrophil activation in a porcine model of metabolic syndrome by flow cytometry. Image caption: Systemic neutrophil activation can be evaluated by acute changes in CD11R3 expression and the percent circulating neutrophil population that is resistant to apoptosis in vitro. CD11R3 expression is increased acutely with neutrophil activation. With SCD exposure, CD11R3 expression decreased (a, n=6*, p=0.033). During the activated state neutrophil apoptosis is delayed. In these MetS animals, prior to SCD treatment, 34% of neutrophils are activated (resistant to apoptosis), while in healthy animals, less than 10% of circulating neutrophils are expected to be resistant to apoptosis. Analysis of apoptosis, before and after treatments, showed SCD Rx to move the neutrophil population to a less activated state, thus shifting toward naïve percentages of neutrophils resistant to apoptosis (b, n=9, p=0.023). For CD11R3 expression, only 2 of the 3 SCD Rx courses with three 6-hour treatments each were included in the analysis (n=6) due to an unanticipated analytic procedural complication. From: Angela J. Westover, Kimberly A. Johnston, Deborah A. Buffington, and H. David Humes, "An Immunomodulatory Device Improves Insulin Resistance in Obese Porcine Model of Metabolic Syndrome,"



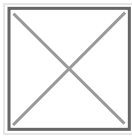
Application Data

Figure A. APC conjugated mouse anti porcine CD31 and FITC conjugated mouse IgG1 isotype control. Figure B. APC conjugated mouse anti porcine CD31 and FITC conjugated mouse anti porcine CD11R3. All experiments performed on red cell lysed porcine blood gated on mononuclear cells.



Application Data

Figure A. FITC conjugated mouse anti porcine CD11R3 and APC conjugated mouse IgG1 isotype control . Figure B. FITC conjugated mouse anti porcine CD11R3 and APC conjugated mouse anti porcine CD31. All experiments performed on red cell lysed porcine blood gated on mononuclear cells.



Application Data

Figure A. APC conjugated mouse anti porcine CD31 and FITC conjugated mouse IgG1 isotype control . Figure B. APC conjugated mouse anti porcine CD31 and FITC conjugated mouse anti porcine CD11R3 . All experiments performed on red cell lysed porcine blood gated on lymphocytes. Data acquired on the ZE5 Cell Analyzer.

ADDITIONAL INFORMATION

Related Product Information for anti-CD11R3 antibody	Mouse anti Pig CD11R3, clone 2F4/11 recognizes porcine CD11R3, a ~155 kDa cell surface glycoprotein, member of the alpha integrin family. Mouse anti Pig CD11R3, clone 2F4/11 was clustered as CD11R3 at the Third International Workshop on Swine Leukocyte Differentiation Antigens (Haverson et al. 2001). CD11R3 has a similar expression pattern to the human CD11b marker, being expressed on granulocytes, monocytes and alveolar macrophages, but not on lymphocytes, eythrocytes or platelets (Dominguez et al. 2001). Mouse anti Pig CD11R3, clone 2F4/11 is reported to block phagocytosis of complement-opsonized zymosan particles by polymorphonuclear granulocytes and alveolar macrophages (Bullido et al. 1996).
Product Categories/Family for anti-CD11R3 antibody	Primary

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://stage.aaabiotech.com/monoclonal/cd11r3-antibody-clone-2f4-11-flow-cytometry-elisa/50480>