

Mouse CD163 Monoclonal Antibody | anti-CD163 antibody

MOUSE ANTI PIG CD163:RPE

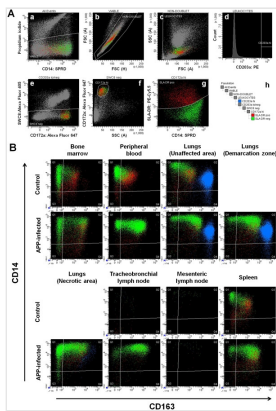
CATALOG # AAA49727	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
------------------------------	----------------------	---

PRODUCT SYNONYMS

CD163; Monoclonal Antibody; MOUSE ANTI PIG CD163:RPE; anti-CD163 antibody

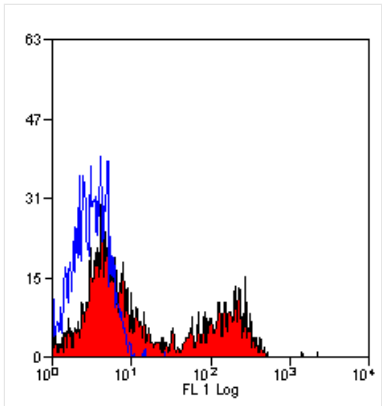
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2A10/11
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Sequence Length	1110
Applicable Applications for anti-CD163 antibody	FCM/FACS (Flow Cytometry)
Reconstitution	Reconstitute with 1.0ml distilled water Perservative Stabilisers
Buffer Solution	Phosphate buffered saline
Target Species	Pig
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. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of despatch.



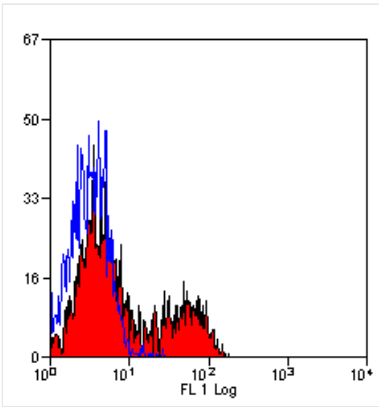
Application Data

Published customer image: Overview of flow cytometry analyses. (A) Gating strategy for identification of monocytes and macrophages. The peripheral blood is shown. Designation of population shown within each dot-plot is indicated above the dot-plot. Leukocytes were identified as viable (a) non-doublet (b) cells with typical light scatter properties of leukocytes (c). Then, macrophages were gated simply as CD203ahi leukocytes (d) and marked with blue color. Monocytes were gated as CD203alow/- SWC8-(e) CD172ahi(f) leukocytes where the CD203alow/- region was defined as the complementary region to the CD203ahi region. Then, SLA-DR+ monocytes were marked with red color and SLA-DR- monocytes were marked with green color (g). SLA-DR- region was defined as the complementary region to the SLA-DR+ region. Gating order is shown in the scheme (h). (B) Representative CD163 vs. CD14 dot-plots of macrophages (blue) and monocyte subpopulations (green: SLA-DR -, red: SLA-DR+) in various body compartments of control and APP-infected pigs. From: Ondrackova P, Leva L, Kucerova Z, Vicenova M, Mensikova M, Faldyna M. Distribution of porcine monocytes in different lymphoid tissues and the lungs during experimental *Actinobacillus pleuropneumoniae* infection and the role of chemokines. *Vet Res.* 2013 Oct 17;44:98.



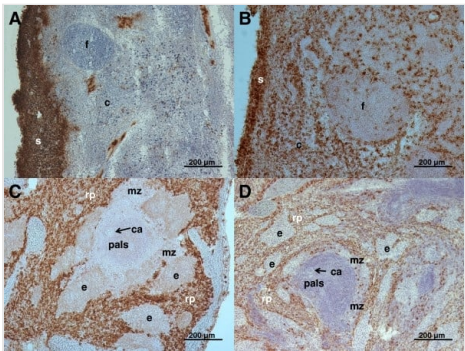
Application Data

Staining of porcine peripheral blood mononuclear cells with Mouse anti Porcine CD163



Application Data

Staining of porcine peripheral blood mononuclear cells with Mouse anti Porcine CD163 : FITC



Application Data

Published customer image: Representative pictures of immunohistochemical detection of CD163+ cells in tracheobronchial lymph node and spleen. CD163+ cells were detected in tracheobronchial lymph nodes from control (A) and APP-infected pigs (B) and in spleen from control (C) and APP-infected pigs (D). Immunohistochemical visualization: horseradish peroxidase, brown substrate, hematoxylin counterstain; c, cortex; ca, central artery; e, ellipsoid; f, follicle; mz, marginal zone; pals, periaarterial lymphatic sheath; rp, red pulp; s, subcapsular sinus. From: Ondrackova P, Leva L, Kucerova Z, Vicenova M, Mensikova M, Faldyna M. Distribution of porcine monocytes in different lymphoid tissues and the lungs during experimental *Actinobacillus pleuropneumoniae* infection and the role of chemokines. *Vet Res.* 2013 Oct 17;44:98.

ADDITIONAL INFORMATION

Related Product Information for anti-CD163 antibody

Mouse anti Pig CD163 antibody, clone 2A10/11 recognises porcine CD163, a 120kD single pass type 1 transmembrane cell surface glycoprotein expressed on cells of the monocyte/macrophage lineage. The expression levels of CD163 vary during the course of macrophage differentiation. The highest levels of CD163 expression are found on tissue macrophages but bone marrow derived cells are CD163 negative. Expression of CD163 on peripheral blood monocytes varies between about 5% and 50% depending on the donor (Sanchez et al. 1999). Mouse anti Pig CD163, clone 2A10/11 is reported to inhibit both African swine fever infection and viral particle binding to alveolar macrophages in a dose-dependent manner (Sanchez-Torres et al. 2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	47522778
NCBI GeneID	397031
NCBI Accession #	NP_999141.1
NCBI GenBank Nucleotide #	NM_213976.1
UniProt Accession #	Q2VL90; Q2VL89; Q8HY22
Molecular Weight	94,061 Da
NCBI Official Full Name	scavenger receptor cysteine-rich type 1 protein M130
NCBI Official Symbol	CD163
NCBI Protein Information	scavenger receptor cysteine-rich type 1 protein M130
UniProt Protein Name	Scavenger receptor cysteine-rich type 1 protein M130
UniProt Gene Name	CD163
UniProt Synonym Gene Names	M130; sCD163
UniProt Entry Name	C163A_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd163-antibody-clone-2a10-11-flow-cytometry-elisa/49727>