

Mouse CD163 Monoclonal Antibody | anti-CD163 antibody

MOUSE ANTI PIG CD163

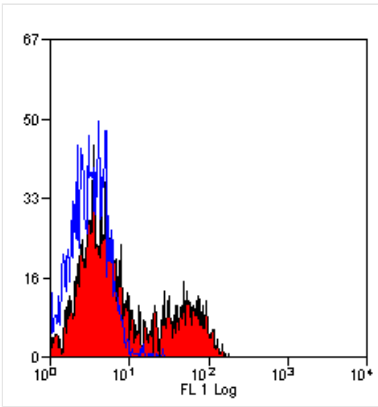
CATALOG #	HOST	APPLICATIONS
AAA12248	Mouse	Immunohistochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay, Immunofluorescence, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

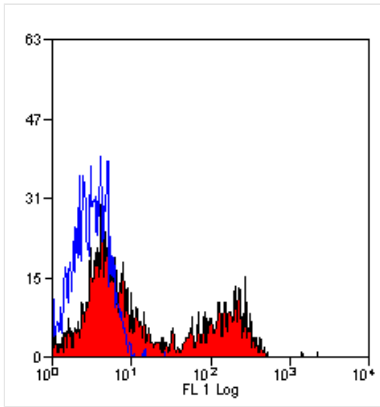
CD163; Monoclonal Antibody; MOUSE ANTI PIG CD163; M130; anti-CD163 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2A10/11
Specificity	Mouse anti Pig CD163 antibody, clone 2A10/11 recognises porcine CD163, a ~120 kDa single pass type 1 transmembrane cell surface glycoprotein expressed on cells of the monocyte/macrophage lineage.
Form/Format	Purified IgG - liquid Phosphate buffered saline
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	1110
Applicable Applications for anti-CD163 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to 1x10 ⁶ cells in 100ul. Western Blot: Clone 2A10/11 detects a band of approximately 120kD in alveolar macrophage cell lysates under non-reducing conditions. Flow Cytometry: 1/50-1/200
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the X63-Ag.8.653 myeloma cell line.
Target Species	Pig
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.
Carrier free	Yes
Immunogen	Porcine alveolar macrophages.
Preparation and Storage	Store at 4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.



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



Application Data
Staining of porcine peripheral blood mononuclear cells with Mouse anti Porcine CD163 (AAA12248)

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).
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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
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.