

Product datasheet for **TA386521**

CD163 Rabbit Monoclonal Antibody [Clone ID: 2A10 (2A10/11)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2A10 (2A10/11)
Applications:	ELISA, FC, IF
Host:	Rabbit
Clonality:	Monoclonal
Immunogen:	The original antibody was generated by immunizing BALB/c mice with porcine alveolar macrophages.
Specificity:	This antibody recognizes and binds porcine CD163.

This antibody is recommended to be used as a tool in the study of porcine macrophage maturation and differentiation and for determining their heterogeneity both in normal and pathological conditions. This antibody can recognize porcine CD163 in a western blot assay and an immunoprecipitation assay (PMID: 9151393). 2A10 successfully binds PAM cells in a flow cytometric analysis (PMID:23785195). Porcine CD163 has also been analyzed as potential antigen targeting receptors using mouse IgG as surrogate antigens. MABs to CD163 induced in vitro PBMC proliferation at concentrations 50-80 fold lower than the control mAb when using, as responder cells, cells from pigs immunized with mouse serum IgGs (PMID:21557980). It is also reported that porcine mAb 2A10 antigen is homologous to human CD163 and related to macrophage differentiation (PMID: 10227997). This antibody was also used to study the role of CD163 in the process of infection of porcine monocytes/macrophages by African swine fever virus infection (PMID: 14648288). This mAb was used in a sandwich enzyme-linked immunoassay (ELISA) to measure levels of sCD163 in porcine sera and biological fluids (Pérez et al, 2008).

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Database Link:	Q2VL90

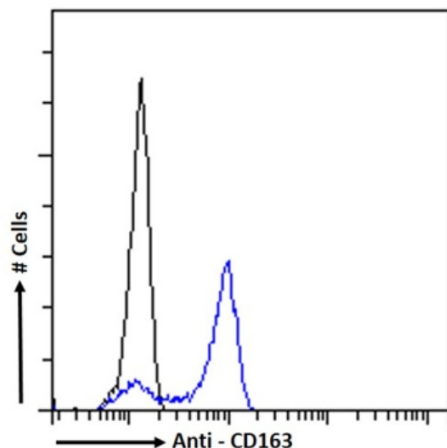


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Synonyms: M130; MM130

Note: This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Product images:



Flow cytometry using the Anti-CD163 antibody 2A10 (2A10/11) (TA386521). Paraformaldehyde fixed pig peripheral blood monocytes permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody ([TA385792]; isotype control, black line) or the rabbit IgG version of 2A10 (2A10/11) (TA386521, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.