

Product datasheet for **AM05884PU-S**

CD163 Mouse Monoclonal Antibody [Clone ID: 2A10/11]

Product data:

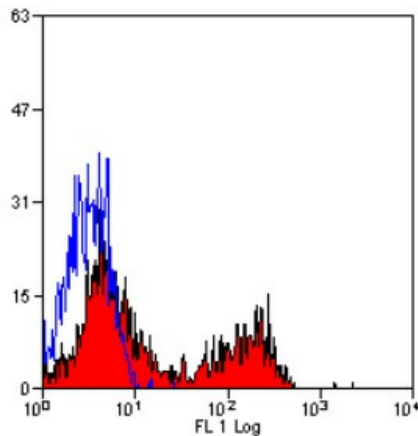
Product Type:	Primary Antibodies
Clone Name:	2A10/11
Applications:	FC, FN, IHC, IP, WB
Recommended Dilution:	Immunohistochemistry on Frozen Sections. Western Blotting (Non-reducing conditions). Clone 2A10/11 detects a band of approximately 120kD in alveolar macrophage cell lysates under non-reducing conditions. Immunoprecipitation. Flow Cytometry: Use 10 µl of 1/50-1/200 diluted antibody to label 1x10 ⁶ cells in 100 µl. Functional Assays: Clone 2A10/11 is reported to inhibit both African swine fever infection and viral particle binding to alveolar macrophages in a dose-dependent manner (See Sanchez-Torres et al. 2003). Removal of Sodium Azide is recommended prior to use.
Reactivity:	Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Porcine alveolar macrophages
Specificity:	This antibody recognizes Porcine CD163, a 120kD cell surface glycoprotein that is 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. The antibody detects a band of approximately 120kD in alveolar macrophage cell lysates.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction from tissue culture supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated



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Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	Q2VL90
Background:	CD163 is a 130 kDa membrane glycoprotein. It is a member of the scavenger receptor cysteine-rich superfamily and is a receptor for the hemoglobin-haptoglobin complex. CD163 is expressed exclusively on the cell surface of human monocytes and macrophages that evolve predominantly in the late phase of inflammation. CD163 is present on all CD14 positive monocytes, most CD64 positive monocytes, and shows higher expression on CD16 positive monocytes. CD163 is upregulated on mononuclear phagocytes by IL-10, IL-6 and dexamethasone. Lipopolysaccharide (LPS) and phorbol myristate acetate (PMA) both induce shedding of CD163 from the cell surface into plasma or cell supernatant.
Synonyms:	M130, Hemoglobin scavenger receptor, Macrophage marker

Product images:



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