

## Monoclonal Antibody to CD203a - FITC

<b>Alternate names:</b>	Macrophage marker, NPP1, SWC9
<b>Catalog No.:</b>	SM1734F
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	SWC9 is a cell surface antigen expressed on mature pig macrophages. Freshly isolated blood monocytes are SWC9 negative but do express SWC9 after culturing. SWC9 is also weakly expressed on porcine thymocytes.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	PM18-7
<b>Format:</b>	<b>State:</b> Liquid purified IgG <b>Purification:</b> Affinity chromatography on Protein G <b>Buffer System:</b> PBS containing 0.09% Sodium Azide and 1% Bovine Serum Albumin <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises CD203a, otherwise known as SWC9 or NPP1, a cell surface antigen expressed on mature pig macrophages. Freshly isolated blood monocytes are CD203a negative but do express CD203a after culturing. <b>Species:</b> Pig. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General References:</b>	1. McCullough, K. C. et al (1997) Phenotype of porcine monocytic cells: modulation of cell surface molecule expression upon monocyte differentiation into macrophages. <i>Vet. Immunol. Immunopathol.</i> 58: 265-275. 2. McCullough, K. C. et al. (1999) Intermediate stages in monocyte-macrophage differentiation modulate phenotype and susceptibility to virus infection. <i>Immunity.</i> 98: 203-212. 3. Petersen, C.B. et al. (2007) Porcine ecto-nucleotide pyrophosphatase/phosphodiesterase 1 (NPP1/CD203a): cloning, transcription, expression, mapping, and identification of an NPP1/CD203a epitope for swine workshop cluster 9 (SWC9) monoclonal antibodies. <i>Dev. Comp. Immunol.</i> 31:618-631.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)