

## Datasheet: MCA1219

**BATCH NUMBER 152844**

<b>Description:</b>	MOUSE ANTI PIG SWC8
<b>Specificity:</b>	SWC8
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MIL3
<b>Isotype:</b>	IgM
<b>Quantity:</b>	2 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/20
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Pig
<b>Product Form</b>	Tissue Culture Supernatant - liquid
<b>Preparation</b>	Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.4 and 5-10% foetal calf serum
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Immunogen</b>	Porcine Lamina Propria Leucocytes.
<b>RRID</b>	AB_322076

<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the P3-X63-Ag.653 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Pig SWC8, clone MIL3</b>, recognizes the porcine SWC8 cell surface antigen, an antigen that as yet has no identified human homolog. SWC8 is expressed by granulocytes, B cells, a subset of T cells and by some non-haematopoietic cells. Monocytes however do not express SWC8.</p> <p>Clone MIL3 has been used in two colour flow cytometry with Mouse anti Porcine CD14 antibody, clone MIL2 (<a href="#">MCA1218GA</a>) to distinguish between monocytes and granulocytes (<a href="#">Haverson <i>et al.</i> 1994</a>).</p>
<b>Flow Cytometry</b>	Use 50ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Haverson, K. <i>et al.</i> (1994) Characterization of monoclonal antibodies specific for monocytes, macrophages and granulocytes from porcine peripheral blood and mucosal tissues. <a href="#">J Immunol Methods. 170 (2): 233-45.</a></li> <li>2. Lunney, J.K. (1993) Characterization of swine leukocyte differentiation antigens. <a href="#">Immunol Today. 14 (4): 147-8.</a></li> <li>3. Summerfield, A. <i>et al.</i> (2001) Induction of apoptosis in bone marrow neutrophil-lineage cells by classical swine fever virus. <a href="#">J Gen Virol. 82 (Pt 6): 1309-18.</a></li> <li>4. Zelnickova, P. <i>et al.</i> (2008) Age-dependent changes of proinflammatory cytokine production by porcine peripheral blood phagocytes. <a href="#">Vet Immunol Immunopathol. 124: 367-78.</a></li> <li>5. Summerfield, A. <i>et al.</i> (2003) Porcine peripheral blood dendritic cells and natural interferon-producing cells. <a href="#">Immunology. 110: 440-9.</a></li> <li>6. Barnard, A.L. <i>et al.</i> (2005) Immune response characteristics following emergency vaccination of pigs against foot-and-mouth disease. <a href="#">Vaccine. 23: 1037-47.</a></li> <li>7. Chen, L. <i>et al.</i> (2003) Macrophages and MHC class II positive dendritiform cells in the iris and choroid of the pig. <a href="#">Curr Eye Res. 26: 291-6.</a></li> <li>8. Ondrackova, P. <i>et al.</i> (2010) Porcine mononuclear phagocyte subpopulations in the lung, blood and bone marrow: dynamics during inflammation induced by <i>Actinobacillus pleuropneumoniae</i>. <a href="#">Vet Res. 41: 64.</a></li> <li>9. LeLuduec, J.B. <i>et al.</i> (2016) Intradermal vaccination with un-adjuvanted sub-unit vaccines triggers skin innate immunity and confers protective respiratory immunity in domestic swine. <a href="#">Vaccine. 34 (7): 914-22.</a></li> </ol>
<b>Further Reading</b>	1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. <a href="#">Vet Res. 39: 54.</a>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10053 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1219">https://www.bio-rad-antibodies.com/SDS/MCA1219</a> 10053
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR138...) [Alk. Phos.](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgM NEGATIVE CONTROL \(MCA692\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M364945:200529'

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