

Datasheet: MCA1219

Description:	MOUSE ANTI PIG SWC8
Specificity:	SWC8
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	MIL3
Isotype:	IgM
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			1/20
Immunohistology - Frozen	■			1/10 - 1/50
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.

Target Species	Pig
Product Form	Tissue Culture Supernatant - liquid
Preparation	Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.4 and 5-10% foetal calf serum
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Porcine Lamina Propria Leucocytes.
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the P3-X63-Ag.653 myeloma cell line.
Specificity	Mouse anti Pig SWC8, clone MIL3 , 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.

Clone MIL3 has been used in two colour flow cytometry with Mouse anti Porcine CD14 antibody, clone MIL2 ([MCA1218GA](#)) to distinguish between monocytes and granulocytes ([Haverson et al. 1994](#)).

Flow Cytometry	Use 50ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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References	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. J Immunol Methods. 170 (2): 233-45. 2. Lunney, J.K. (1993) Characterization of swine leukocyte differentiation antigens. Immunol Today. 14 (4): 147-8. 3. Summerfield, A. <i>et al.</i> (2001) Induction of apoptosis in bone marrow neutrophil-lineage cells by classical swine fever virus. J Gen Virol. 82 (Pt 6): 1309-18. 4. Zelnickova, P. <i>et al.</i> (2008) Age-dependent changes of proinflammatory cytokine production by porcine peripheral blood phagocytes. Vet Immunol Immunopathol. 124: 367-78. 5. Summerfield, A. <i>et al.</i> (2003) Porcine peripheral blood dendritic cells and natural interferon-producing cells. Immunology. 110: 440-9. 6. Barnard, A.L. <i>et al.</i> (2005) Immune response characteristics following emergency vaccination of pigs against foot-and-mouth disease. Vaccine. 23: 1037-47. 7. Chen, L. <i>et al.</i> (2003) Macrophages and MHC class II positive dendritiform cells in the iris and choroid of the pig. Curr Eye Res. 26: 291-6. 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>. Vet Res. 41: 64.
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Further Reading	1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. Vet Res. 39: 54.
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Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. 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.
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10053 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10053.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR86...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Human Anti Mouse IgM (HCA040...)	FITC , HRP
Goat Anti Mouse IgM (STAR138...)	Alk. Phos.

Recommended Negative Controls

MOUSE IgM NEGATIVE CONTROL (MCA692)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

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