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	▪			Neat
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

Where this product 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 product 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 (NaN_3)
Immunogen	Porcine Lamina Propria Leucocytes.
RRID	AB_322076
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 10µl of the suggested working dilution to label 10^6 cells in 100µl
References	1. Haverson, K. *et al.* (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. Summerfield, A. *et al.* (2001) Induction of apoptosis in bone marrow neutrophil-lineage cells by classical swine fever virus. J Gen Virol. 82 (Pt 6): 1309-18. 3. Chen, L. *et al.* (2003) Macrophages and MHC class II positive dendritiform cells in the iris and choroid of the pig. Curr Eye Res. 26: 291-6. 4. Summerfield, A. *et al.* (2003) Porcine peripheral blood dendritic cells and natural interferon-producing cells. Immunology. 110: 440-9. 5. Barnard, A.L. *et al.* (2005) Immune response characteristics following emergency vaccination of pigs against foot-and-mouth disease. Vaccine. 23: 1037-47. 6. Zelnickova, P. *et al.* (2008) Age-dependent changes of proinflammatory cytokine production by porcine peripheral blood phagocytes. Vet Immunol Immunopathol. 124: 367-78. 7. Ondrackova, P. *et al.* (2010) Porcine mononuclear phagocyte subpopulations in the lung, blood and bone marrow: dynamics during inflammation induced by *Actinobacillus pleuropneumoniae*. Vet Res. 41: 64. 8. LeLuduec, J.B. *et al.* (2016) Intradermal vaccination with un-adjuvanted sub-unit vaccines triggers skin innate immunity and confers protective respiratory immunity in domestic swine. Vaccine. 34 (7): 914-22. 9. Teuben, M.P.J. *et al.* (2021) Standardized porcine unilateral femoral nailing is associated with changes in PMN activation status, rather than aberrant systemic PMN prevalence. Eur J Trauma Emerg Surg. Jun 10 [Epub ahead of print].
Further Reading	1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. Vet Res. 39: 54.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch

Health And Safety Information	Material Safety Datasheet documentation #10053 available at: https://www.bio-rad-antibodies.com/SDS/MCA1219 10053
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR138...) Alk. Phos.

Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP

Recommended Negative Controls

MOUSE IgM NEGATIVE CONTROL (MCA692)

North & South America	Tel: +1 800 265 7376 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 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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