

## Datasheet: MCA1752

<b>Description:</b>	MOUSE ANTI PIG ENDOTHELIAL CELLS
<b>Specificity:</b>	ENDOTHELIAL CELLS
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MIL11
<b>Isotype:</b>	IgE
<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			▪	
Immunohistology - Frozen	▪			1/20 - 1/100
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.

<b>Target Species</b>	Pig
<b>Product Form</b>	Tissue culture supernatant - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% sodium azide (NaN <sub>3</sub> )
<b>Immunogen</b>	Plastic adherent porcine peripheral blood lymphocytes.
<b>RRID</b>	AB_322717
<b>Specificity</b>	<b>Mouse anti Pig endothelial cells, clone MIL11</b> raised initially against an immunogen of

plastic adherent lymphocytes has been shown to recognize a major subset of porcine endothelial cells. MIL11 was initially identified as staining a characteristic pattern of capillary endothelium in gut forming a network in the lamina propria below the epithelial membrane. Staining was subsequently observed in capillary endothelium in most organs examined, including gut, lung, kidney and skin. Clone MIL11 was observed not to stain endothelium of aorta and other arteries whereas venous endothelium was positive for MIL11 staining. Some population of venous endothelial cells however appear negative for MIL11 staining including those associated with the heart wall, kidney glomeruli and corpus cavernosum ([Wilson et al.1996](#)) .

## References

1. Wilson, A. D. *et al.* (1996) Expression of major histocompatibility complex class II antigens, on normal porcine intestinal endothelium. [Immunology 88: 98-103.](#)
2. Harrower, T.P. *et al.* (2006) Long-term survival and integration of porcine expanded neural precursor cell grafts in a rat model of Parkinson's disease. [Exp Neurol.197: 56-69.](#)
3. Inman, C.F. *et al.* (2010) Dendritic cells interact with CD4 T cells in intestinal mucosa. [J Leukoc Biol. 88 \(3\): 571-8.](#)
4. Cho, P.S. *et al.* (2008) Immunogenicity of umbilical cord tissue derived cells. [Blood. 111 \(1\): 430-8.](#)
5. Inman, C.F. *et al.* (2010) Rearing environment affects development of the immune system in neonates. [Clin Exp Immunol. 160: 431-9.](#)
6. Inman, C.F. *et al.* (2012) Neonatal colonisation expands a specific intestinal antigen-presenting cell subset prior to CD4 T-cell expansion, without altering T-cell repertoire. [PLoS One. 7: e33707.](#)
7. Planska, D. *et al.* (2015) Immunohistochemical Analysis of Collagen IV and Laminin Expression in Spontaneous Melanoma Regression in the Melanoma-Bearing Libechov Minipig. [Acta Histochem Cytochem. 48 \(1\): 15-26.](#)

## 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/MCA1752>  
10053

## Regulatory

For research purposes only

### North & South America

Tel: +1 800 265 7376  
Fax: +1 919 878 3751  
Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto: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](https://bio-rad-antibodies.com/datasheets)  
'M418597:230427'

**Printed on 29 Aug 2024**

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)