

## Datasheet: MCA2361Z

**BATCH NUMBER 166849**

<b>Description:</b>	MOUSE ANTI PIG INTERLEUKIN-1 BETA:Preservative Free
<b>Specificity:</b>	IL-1 BETA
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	DF8
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 mg

### 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			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1ug/ml - 5ug/ml

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>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Endotoxin Level</b>	< 0.015 EU/μg

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Recombinant porcine IL-1 beta.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P26889</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">397122</a> IL1B    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_567066
<b>Specificity</b>	<p><b>Mouse anti Porcine interleukin-1 beta antibody, clone DF8</b> recognizes porcine interleukin-1 beta (IL-1 beta).</p> <p>IL-1 beta is principally expressed by macrophages, and plays an important immunomodulatory role in the porcine immune response.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>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>Shao, Y. <i>et al.</i> (2016) HMGB1/TLR4 signaling induces an inflammatory response following high-pressure renal pelvic perfusion in a porcine model. <a href="#">Am J Physiol Renal Physiol. : ajprenal.00480.2015.</a></li> <li>Jarosova, R. <i>et al.</i> (2022) Cytokine expression by CD163+ monocytes in healthy and <i>Actinobacillus pleuropneumoniae</i>-infected pigs. <a href="#">Res Vet Sci. 152: 1-9.</a></li> </ol>
<b>Storage</b>	<p>Store at -20°C.</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>	<p>Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2361Z">https://www.bio-rad-antibodies.com/SDS/MCA2361Z</a></p> <p>10162</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)    [RPE](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)

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