

## Datasheet: AAM48

<b>Description:</b>	RABBIT ANTI MOUSE MIP-2
<b>Specificity:</b>	MIP-2
<b>Other names:</b>	CXCL2
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 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 (1)	▪			
ELISA	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1ug/ml - 0.2ug/ml
Functional Assays	▪			0.50ug/ml - 0.90ug/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.

(1) **This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.**

**Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Mouse
<b>Species Cross Reactivity</b>	Reacts with: Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	Reconstitute with 1.0 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended. <b>N.B.</b> For functional studies do not add sodium azide

**Antiserum Preparation** Antisera to mouse MIP-2 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml after reconstitution.
<b>Immunogen</b>	<a href="#">Recombinant mouse MIP-2</a>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P10889</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">20310</a>   Cxcl2   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Mip2, Mip-2, Scyb2
<b>Specificity</b>	<p><b>Rabbit anti Mouse MIP-2 antibody</b> recognizes mouse macrophage inflammatory protein-2 (MIP-2), also known as CXCL2.</p> <p>MIP-2 is expressed by macrophages and epidermal langerhans cells and is chemotactic for neutrophils.</p>
<b>ELISA</b>	Rabbit anti Mouse MIP-2 antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with biotinylated Rabbit anti mouse MIP-2 antibody ( <a href="#">AAM48B</a> ) as the detection antibody and recombinant Mouse MIP-2 protein ( <a href="#">PMP55</a> ) as a standard.
<b>Western Blotting</b>	Rabbit anti Mouse MIP-2 antibody may be used under either reducing or non-reducing conditions with recombinant Mouse MIP-2 ( <a href="#">PMP55</a> ) protein as a positive control.
<b>References</b>	<ol style="list-style-type: none"> <li>Tittel, A.P. <i>et al.</i> (2011) Kidney dendritic cells induce innate immunity against bacterial pyelonephritis. <a href="#">J Am Soc Nephrol. 22 (8): 1435-41.</a></li> <li>Roche, J.K. <i>et al.</i> (2007) CXCL1/KC and CXCL2/MIP-2 are critical effectors and potential targets for therapy of Escherichia coli O157:H7-associated renal inflammation. <a href="#">Am J Pathol. 170: 526-37.</a></li> <li>Di Carlo, E. <i>et al.</i> (2000) The combined action of IL-15 and IL-12 gene transfer can induce tumor cell rejection without T and NK cell involvement. <a href="#">J Immunol. 165: 3111-8.</a></li> <li>Cavallo, F. <i>et al.</i> (2001) Interleukin 12-activated lymphocytes influence tumor genetic programs. <a href="#">Cancer Res. 61: 3518-23.</a></li> <li>González-López, A. <i>et al.</i> (2011) Inflammation and matrix remodeling during repair of ventilator-induced lung injury. <a href="#">Am J Physiol Lung Cell Mol Physiol. 301: L500-9.</a></li> <li>Lazic, M. <i>et al.</i> (2014) Differential regulation of inflammation and apoptosis in Fas-resistant hepatocyte-specific Bid-deficient mice. <a href="#">J Hepatol. 61: 107-15.</a></li> <li>Nicholas, J. <i>et al.</i> (2015) Time course of chemokine expression and leukocyte infiltration after acute skeletal muscle injury in mice. <a href="#">Innate Immun. 21 (3): 266-74.</a></li> <li>Yoshida, T. <i>et al.</i> (2014) Afadin requirement for cytokine expressions in keratinocytes during chemically induced inflammation in mice. <a href="#">Genes Cells. 19: 842-52.</a></li> <li>Lasarte, S. <i>et al.</i> (2016) Sex Hormones Coordinate Neutrophil Immunity in the Vagina by Controlling Chemokine Gradients. <a href="#">J Infect Dis. 213 (3): 476-84.</a></li> </ol>
<b>Storage</b>	Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

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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<b>Shelf Life</b>	12 months from date of reconstitution.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),  
[DyLight@680](#), [DyLight@800](#)

### Recommended Positive Controls

[RECOMBINANT MOUSE MIP-2 \(PMP55\)](#)

### Recommended Useful Reagents

[RABBIT ANTI MOUSE MIP-2:Biotin \(AAM48B\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)  
[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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Printed on 30 Apr 2018

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