

Datasheet: AAM48

**BATCH NUMBER 150882**

<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>	<p>Reacts with: Rat</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for</p>

further information.

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<b>Product Form</b>	Purified IgG - lyophilised
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<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. N.B. For functional studies do not add sodium azide
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<b>Antiserum Preparation</b>	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.
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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	None present
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<b>Carrier Free</b>	Yes
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<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml after reconstitution.
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<b>Immunogen</b>	<a href="#">Recombinant mouse MIP-2</a>
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P10889</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">20310</a> Cxcl2 <a href="#">Related reagents</a>
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<b>Synonyms</b>	Mip2, Mip-2, Scyb2
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<b>RRID</b>	AB_2086327
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<b>Specificity</b>	<b>Rabbit anti Mouse MIP-2 antibody</b> recognizes mouse macrophage inflammatory protein-2 (MIP-2), also known as CXCL2.  MIP-2 is expressed by macrophages and epidermal langerhans cells and is chemotactic for neutrophils.
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<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.
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<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.
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## References

1. Tittel, A.P. *et al.* (2011) Kidney dendritic cells induce innate immunity against bacterial pyelonephritis. [J Am Soc Nephrol. 22 \(8\): 1435-41.](#)
2. Roche, J.K. *et al.* (2007) CXCL1/KC and CXCL2/MIP-2 are critical effectors and potential targets for therapy of Escherichia coli O157:H7-associated renal inflammation. [Am J Pathol. 170: 526-37.](#)
3. Di Carlo, E. *et al.* (2000) The combined action of IL-15 and IL-12 gene transfer can induce tumor cell rejection without T and NK cell involvement. [J Immunol. 165: 3111-8.](#)
4. Cavallo, F. *et al.* (2001) Interleukin 12-activated lymphocytes influence tumor genetic programs. [Cancer Res. 61: 3518-23.](#)
5. González-López, A. *et al.* (2011) Inflammation and matrix remodeling during repair of ventilator-induced lung injury. [Am J Physiol Lung Cell Mol Physiol. 301: L500-9.](#)
6. Lazic, M. *et al.* (2014) Differential regulation of inflammation and apoptosis in Fas-resistant hepatocyte-specific Bid-deficient mice. [J Hepatol. 61: 107-15.](#)
7. Nicholas, J. *et al.* (2015) Time course of chemokine expression and leukocyte infiltration after acute skeletal muscle injury in mice. [Innate Immun. 21 \(3\): 266-74.](#)
8. Yoshida, T. *et al.* (2014) Afadin requirement for cytokine expressions in keratinocytes during chemically induced inflammation in mice. [Genes Cells. 19: 842-52.](#)
9. Lasarte, S. *et al.* (2016) Sex Hormones Coordinate Neutrophil Immunity in the Vagina by Controlling Chemokine Gradients. [J Infect Dis. 213 \(3\): 476-84.](#)

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### Storage

Prior to reconstitution store at -20°C.  
After 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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### Guarantee

6 months from date of despatch

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### Health And Safety Information

Material Safety Datasheet documentation #10162 available at:  
<https://www.bio-rad-antibodies.com/SDS/AAM48>  
10162

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### Regulatory

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Positive Controls

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

### Recommended Useful Reagents

[RABBIT ANTI MOUSE MIP-2:Biotin \(AAM48B\)](#)

ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)  
TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

<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)  
'M372416:200706'

**Printed on 18 Jan 2024**

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