

Datasheet: AAM48

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| Description: | RABBIT ANTI MOUSE MIP-2 |
| Specificity: | MIP-2 |
| Other names: | CXCL2 |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 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.

| | 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.

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| Target Species | Mouse |
| Species Cross Reactivity | <p>Reacts with: Rat</p> <p>N.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 further information.</p> |

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| Product Form | Purified IgG - lyophilized |
| Reconstitution | <p>Reconstitute with 1.0 ml distilled water</p> <p>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.</p> <p>N.B. For functional studies do not add sodium azide</p> |
| 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. |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | None present |
| Carrier Free | Yes |
| Approx. Protein Concentrations | IgG concentration 0.1 mg/ml after reconstitution. |
| Immunogen | Recombinant mouse MIP-2 |
| External Database Links | <p>UniProt:</p> <p>P10889 Related reagents</p> <p>Entrez Gene:</p> <p>20310 Cxcl2 Related reagents</p> |
| Synonyms | Mip2, Mip-2, Scyb2 |
| RRID | AB_2086327 |
| Specificity | <p>Rabbit anti Mouse MIP-2 antibody 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> |
| ELISA | 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 (AAM48B) as the detection antibody and recombinant Mouse MIP-2 protein (PMP55) as a standard. |
| Western Blotting | Rabbit anti Mouse MIP-2 antibody may be used under either reducing or non-reducing conditions with recombinant Mouse MIP-2 (PMP55) protein as a positive control. |
| References | 1. 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. [J Immunol. 165: 3111-8.](#)
2. Cavallo, F. *et al* (2001) Interleukin 12-activated lymphocytes influence tumor genetic programs. [Cancer Res. 61: 3518-23.](#)
 3. 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.](#)
 4. 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.](#)
 5. Tittel, A.P. *et al.* (2011) Kidney dendritic cells induce innate immunity against bacterial pyelonephritis. [J Am Soc Nephrol. 22 \(8\): 1435-41.](#)
 6. Yoshida, T. *et al.* (2014) Afadin requirement for cytokine expressions in keratinocytes during chemically induced inflammation in mice. [Genes Cells. 19: 842-52.](#)
 7. Lazic, M. *et al.* (2014) Differential regulation of inflammation and apoptosis in Fas-resistant hepatocyte-specific Bid-deficient mice. [J Hepatol. 61: 107-15.](#)
 8. 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.](#)
 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.](#)
 10. Salinas-Muñoz, L. *et al.* (2019) Estradiol impairs epithelial CXCL1 gradient in the cervix to delay neutrophil transepithelial migration during insemination. [J Reprod Immunol. 132: 9-15.](#)
 11. Konishi, T. *et al.* (2019) Cell-specific regulatory effects of CXCR2 on cholestatic liver injury. [Am J Physiol Gastrointest Liver Physiol. 317 \(6\): G773-G783.](#)
 12. Shimada, A. & Hasegawa-Ishii, S. (2021) Increased cytokine expression in the choroid plexus stroma and epithelium in response to endotoxin-induced systemic inflammation in mice. [Toxicol Rep. 8: 520-8.](#)

Storage

This product is shipped at ambient temperature.
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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10294 available at:
<https://www.bio-rad-antibodies.com/SDS/AAM4810294>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Positive Controls

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

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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

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