

Datasheet: AAM48

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.

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>

Product Form	Purified IgG - lyophilized
Reconstitution	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
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	UniProt: P10889 Related reagents Entrez Gene: 20310 Cxcl2 Related reagents
Synonyms	Mip2, Mip-2, Scyb2
RRID	AB_2086327
Specificity	Rabbit anti Mouse MIP-2 antibody 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.
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 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/AAM48>
10294

Regulatory For research purposes only

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 \(STAR209P\)](#)

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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

'M402197:220718'

Printed on 18 Jan 2024

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