Datasheet: AAM48B

BATCH NUMBER 150809

Description:	RABBIT ANTI MOUSE MIP-2:Biotin
Specificity:	MIP-2
Other names:	CXCL2
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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	▪			0.25 - 1.0ug/ml
Western Blotting	▪			0.1 - 0.2ug/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

Reacts with: Rat

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.

Product Form	Purified IgG conjugated to Biotin - lyophilised
Reconstitution	Reconstitute with 0.5 ml sterile PBS containing 0.1% bovine serum albumin 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.
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_2230059
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	Biotinylated Rabbit anti Mouse MIP-2 antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with AAM48 as the capture antibody and PMP55 as the standard.
Western Blotting	Biotinylated Rabbit anti Mouse MIP-2 antibody may used under either reducing or non-reducing conditions with PMP55 as the positive control.
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.

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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.

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	6 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/AAM48B 10162
Regulatory	For research purposes only

Related Products

Recommended Positive Controls

RECOMBINANT MOUSE MIP-2 (PMP55)

Recommended Useful Reagents

RABBIT ANTI MOUSE MIP-2 (AAM48)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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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