

## Datasheet: AAM40B

<b>Description:</b>	RABBIT ANTI MOUSE CXCL1:Biotin
<b>Specificity:</b>	CXCL1
<b>Other names:</b>	GRO1
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.15ug/ml - 0.30ug/ml
Western Blotting	▪			0.1ug/ml - 0.2ug/ml

Where this antibody 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 antibody for use in their own system using the appropriate negative/positive controls.

### Target Species

Mouse

### Product Form

Purified IgG conjugated to Biotin - lyophilized

### Reconstitution

Reconstitute with 0.5ml 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. For long term storage the addition of 0.09% sodium azide is recommended.

### Antiserum Preparation

Antisera to mouse CXCL1 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

None present

**Stabilisers**

---

**Carrier Free** Yes

---

**Approx. Protein Concentrations** IgG concentration 0.1 mg/ml after reconstitution.

---

**Immunogen** [Recombinant mouse CXCL1](#)

---

**External Database Links****UniProt:**

[P12850](#) [Related reagents](#)

**Entrez Gene:**

[14825](#) Cxcl1 [Related reagents](#)

---

**Synonyms** Gro, Gro1, Mgsa, Scyb1

---

**RRID** AB\_2261280

---

**Specificity** **Rabbit anti Mouse CXCL1 antibody** recognizes mouse CXCL1 also known as GRO1 and KC, a ~7.8 kDa chemokine involved in neutrophil chemotaxis and activation, and expressed in a range of cells including monocytes, macrophages and vascular endothelial cells.

---

**ELISA** AAM40B may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with [AAM40](#) as the capture antibody and [PMP66](#) as the standard.

---

**Western Blotting** AAM40B may be used under either reducing or non-reducing western blotting conditions with [PMP66](#) as the positive control.

---

**References** 1. Liu, H. *et al.* (2017) NLRP3 inflammasome induced liver graft injury through activation of telomere-independent RAP1/KC axis. [J Pathol. 242 \(3\): 284-96.](#)

---

**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: 10294: <https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf>

---

**Regulatory** For research purposes only

---

## Related Products

## Recommended Positive Controls

[RECOMBINANT MOUSE CXCL1 \(PMP66\)](#)

## Recommended Useful Reagents

[RABBIT ANTI MOUSE CXCL1 \(AAM40\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto: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](https://bio-rad-antibodies.com/datasheets)

'M399172:220628'

Printed on 18 Jul 2022

---

© 2022 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)