

## Datasheet: AAM40

<b>Description:</b>	RABBIT ANTI MOUSE CXCL1
<b>Specificity:</b>	CXCL1
<b>Other names:</b>	GRO1
<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			▪	
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 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.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.1ml 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.
<b>Antiserum Preparation</b>	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.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml after reconstitution.

<b>Immunogen</b>	<a href="#">Recombinant mouse CXCL1</a>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P12850</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">14825</a>   Cxcl1   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Gro, Gro1, Mgsa, Scyb1
<b>Specificity</b>	<b>Rabbit anti Mouse CXCL1 antibody</b> 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.
<b>ELISA</b>	AAM40 may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with <a href="#">AAM40B</a> as the detection antibody and <a href="#">PMP66</a> as the standard.
<b>Western Blotting</b>	AAM40 may be used under either reducing or non-reducing western blotting conditions with <a href="#">PMP66</a> as the positive control.
<b>References</b>	1. Liu, H. <i>et al.</i> (2017) NLRP3 inflammasome induced liver graft injury through activation of telomere-independent RAP1/KC axis. <a href="#">J Pathol. 242 (3): 284-96.</a>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>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.</p>
<b>Shelf Life</b>	<p>3 months from date of reconstitution.</p> <p>Please see label for expiry date.</p>
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (2AB02...)	<a href="#">Biotin</a>
Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> , <a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a>

## Recommended Positive Controls

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

## Recommended Useful Reagents

[RABBIT ANTI MOUSE CXCL1:Biotin \(AAM40B\)](#)

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

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