

Datasheet: AAM40

Description:	RABBIT ANTI MOUSE CXCL1
Specificity:	CXCL1
Other names:	GRO1
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			▪	
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.

Target Species	Mouse
Product Form	Purified IgG - lyophilised
Reconstitution	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.
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 Stabilisers	None present
Carrier Free	Yes
Approx. Protein	IgG concentration 1.0mg/ml after reconstitution.

Concentrations

Immunogen	Recombinant mouse CXCL1
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External Database Links	UniProt: P12850 Related reagents
	Entrez Gene: 14825 Cxcl1 Related reagents

Synonyms	Gro, Gro1, Mgsa, Scyb1
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RRID	AB_2087692
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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.
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ELISA	AAM40 may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with AAM40B as the detection antibody and PMP66 as the standard.
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Western Blotting	AAM40 may be used under either reducing or non-reducing western blotting conditions with PMP66 as the positive control.
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References	1. Liu, H. <i>et al.</i> (2017) NLRP3 inflammasome induced liver graft injury through activation of telomere-independent RAP1/KC axis. J Pathol. 242 (3): 284-96.
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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.
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Guarantee	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
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Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (STAR35...)	RPE
Sheep Anti Rabbit IgG (STAR36...)	DyLight@488 , DyLight@680 , DyLight@800

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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