

Datasheet: AAM40B

Description:	RABBIT ANTI MOUSE CXCL1:Biotin
Specificity:	CXCL1
Other names:	GRO1
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			▪	
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 - lyophilised
Reconstitution	Reconstitute with 1.0ml 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 Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 50ug/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

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 +4°C. Following 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.

Shelf Life 12 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet documentation #10162 available at: 10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory For research purposes only

Related Products

Recommended Positive Controls

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

Recommended Useful Reagents

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

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