

## Datasheet: AAR22

<b>Description:</b>	RABBIT ANTI RAT 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	▪			0.5ug/ml - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1ug/ml - 0.2ug/ml
Functional Assays	▪			5ug/ml - 10ug/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 systems with the appropriate negative/positive controls.

<b>Target Species</b>	Rat
<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. For long term storage the addition of 0.09% sodium azide is recommended. N.B. For functional studies do not add sodium azide
<b>Preparation</b>	Purified IgG prepared by affinity chromatography

**Antiserum Preparation** Antiserum to CXCL1 was raised by repeated immunisation of rabbits with highly purified

antigen.

---

<b>Buffer Solution</b>	Phosphate buffered saline
------------------------	---------------------------

---

<b>Preservative Stabilisers</b>	None present
---------------------------------	--------------

---

<b>Carrier Free</b>	Yes
---------------------	-----

---

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml after reconstitution.
---------------------------------------	---

---

<b>Immunogen</b>	Recombinant rat CXCL1.
------------------	------------------------

---

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P14095</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">81503</a> Cxcl1 <a href="#">Related reagents</a>
--------------------------------	---

---

<b>Synonyms</b>	Cinc1, Gro, Scyb1
-----------------	-------------------

---

<b>RRID</b>	AB_2087721
-------------	------------

---

<b>Specificity</b>	<b>Rabbit anti Rat CXCL1 antibody</b> recognizes rat CXCL1 also known as GRO1 and CINC-1, an ~8 kDa cytokine which promotes neutrophil chemotaxis and degranulation and is expressed predominantly by monocytes after activation, but is also expressed by fibroblasts, endothelial cells, synovial cells and several tumour cell lines.
--------------------	--

---

<b>References</b>	1. Vallès, A. <i>et al.</i> (2006) Differential regulation of the CXCR2 chemokine network in rat brain trauma: implications for neuroimmune interactions and neuronal survival. <a href="#">Neurobiol Dis.22: 312-22.</a>
-------------------	---

---

<b>Storage</b>	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.
----------------	--

---

<b>Guarantee</b>	12 months from date of despatch
------------------	---------------------------------

---

<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...) [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 Useful Reagents

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

**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)

'M372440:200706'

Printed on 22 Mar 2021

---

© 2021 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)