

Datasheet: AAR23

**BATCH NUMBER 160811**

<b>Description:</b>	RABBIT ANTI RAT GRO BETA/MIP-2
<b>Specificity:</b>	GRO BETA/MIP-2
<b>Other names:</b>	CXCL2
<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
Immunoprecipitation			▪	
Western Blotting	▪			0.1ug/ml - 0.2ug/ml
Functional Assays	▪			3.0ug/ml - 5.0ug/ml

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

<b>Target Species</b>	Rat
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<b>Product Form</b>	Purified IgG - lyophilised
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**Reconstitution** Reconstitute with 0.1 ml distilled water. The addition of 0.09% sodium azide is recommended for long term storage.

**N.B.** For functional studies do not add sodium azide.

**Antiserum Preparation** Antisera to rat GRO beta/MIP-2 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity

chromatography.

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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	None present
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<b>Carrier Free</b>	Yes
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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
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<b>Immunogen</b>	Recombinant rat GRO beta/MIP-2.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P30348</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">114105</a> Cxcl2 <a href="#">Related reagents</a>
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<b>Synonyms</b>	Cinc3, Mip2, Mip-2, Scyb2
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<b>RRID</b>	AB_2261140
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<b>Specificity</b>	<b>Rabbit anti Rat GRO beta/MIP-2 antibody</b> recognizes rat GRO beta/MIP-2, also known CXCL2, an 8kD chemokine which promotes neutrophil chemotaxis and degranulation and is expressed by monocytes, fibroblasts, endothelial cells, synovial cell and several tumour cell lines.
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<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>
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<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.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AAR23">https://www.bio-rad-antibodies.com/SDS/AAR23</a> 10162
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

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

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