

## Datasheet: PMP66

<b>Description:</b>	RECOMBINANT MOUSE CXCL1
<b>Name:</b>	CXCL1
<b>Other names:</b>	GRO1
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	20 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			0.01 - 0.10ug/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>	Mouse
<b>Product Form</b>	Purified Recombinant Protein - lyophilized
<b>Reconstitution</b>	Reconstitute with 20 ul 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>Preparation</b>	Recombinant protein expressed in <i>E.coli</i>
<b>Source</b>	E.coli
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 0.1 ng/ug

<b>Approx. Protein Concentrations</b>	1.0 mg/ml after reconstitution
<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>Product Information</b>	CXCL1, also known as GRO1, is a 7.8 kDa chemokine which is involved in neutrophil chemotaxis and activation and is expressed in a range of cells including monocytes, macrophages and vascular endothelial cells.
<b>Protein Molecular Weight</b>	7.8 kDa (72 amino acid sequence)
<b>Purity</b>	>98% by SDS page and HPLC analysis
<b>ELISA</b>	PMP66 may be used in ELISA applications with either <a href="#">AAM40</a> or <a href="#">AAM40B</a> .
<b>Western Blotting</b>	PMP66 may be used under reducing or non-reducing western blotting conditions with either <a href="#">AAM40</a> or <a href="#">AAM40B</a> .
<b>References</b>	<ol style="list-style-type: none"> <li>1. Van de Walle, G.R. <i>et al.</i> (2007) Herpesvirus chemokine-binding glycoprotein G (gG) efficiently inhibits neutrophil chemotaxis in vitro and in vivo. <a href="#">J Immunol. 179: 4161-9.</a></li> <li>2. Finsterbusch, M. <i>et al.</i> (2014) Neutrophils recruited by chemoattractants in vivo induce microvascular plasma protein leakage through secretion of TNF. <a href="#">J Exp Med. 211: 1307-14.</a></li> </ol>
<b>Storage</b>	<p>Prior to reconstitution store at +4°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 protein. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	3 months from date of reconstitution
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10268 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PMP66">https://www.bio-rad-antibodies.com/SDS/PMP66</a> 10268
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Useful Reagents

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

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

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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)

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