

Datasheet: PMP66

Description:	RECOMBINANT MOUSE CXCL1
Name:	CXCL1
Other names:	GRO1
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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.

	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.

Target Species	Mouse
Product Form	Purified Recombinant Protein - lyophilized
Reconstitution	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.
Preparation	Recombinant protein expressed in <i>E.coli</i>
Source	E.coli
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug

Approx. Protein Concentrations	1.0 mg/ml after reconstitution
External Database Links	<p>UniProt: P12850 Related reagents</p> <p>Entrez Gene: 14825 Cxcl1 Related reagents</p>
Synonyms	Gro, Gro1, Mgsa, Scyb1
Product Information	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.
Protein Molecular Weight	7.8 kDa (72 amino acid sequence)
Purity	>98% by SDS page and HPLC analysis
ELISA	PMP66 may be used in ELISA applications with either AAM40 or AAM40B .
Western Blotting	PMP66 may be used under reducing or non-reducing western blotting conditions with either AAM40 or AAM40B .
References	<ol style="list-style-type: none"> 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. J Immunol. 179: 4161-9. 2. Finsterbusch, M. <i>et al.</i> (2014) Neutrophils recruited by chemoattractants in vivo induce microvascular plasma protein leakage through secretion of TNF. J Exp Med. 211: 1307-14.
Storage	<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>
Guarantee	3 months from date of reconstitution
Health And Safety Information	Material Safety Datasheet documentation #10268 available at: https://www.bio-rad-antibodies.com/SDS/PMP66 10268
Regulatory	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

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