

Datasheet: PPP016

**BATCH NUMBER 167660**

<b>Description:</b>	RECOMBINANT PIG MCP-1
<b>Name:</b>	MCP-1
<b>Other names:</b>	CCL2
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	5 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	▪			
Western Blotting	▪			

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>	Pig
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	Reconstitute with 20 µl sterile PBS containing 0.1% carrier protein 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>Pichia pastoris</i> and purified by ion-exchange chromatography
<b>Source</b>	<i>Pichia pastoris</i>
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	10% Trehalose

**External Database  
Links**

**UniProt:**

[P42831](#)

[Related reagents](#)

**Entrez Gene:**

[397422](#)

CCL2

[Related reagents](#)

**Synonyms**

SCYA2

**Product Information**

**Recombinant Pig MCP-1** is an 8.6 kDa peptide corresponding to aa 24 – 99 of porcine monocyte chemotactic protein 1 (MCP-1). Also known as CCL2 , MCP-1 is a secreted chemokine involved in the recruitment of monocytes to sites of injury or inflammation. MCP-1 plays an important role in the inflammatory response of blood monocytes and tissue macrophages.

**Protein Molecular  
Weight**

8.6 kDa

**Purity**

>95% by SDS PAGE analysis

**ELISA**

Recombinant porcine MCP-1 may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2384](#) as a coating antibody and [AHP2384B](#) as a detection antibody.

**References**

1. Dawson, H.D. *et al.* (2020) Porcine cytokines, chemokines and growth factors: 2019 update. [Res Vet Sci. 131: 266-300.](#)

**Storage**

Prior to reconstitution store at -20°C.  
After reconstitution store at -20°C.  
Storage in frost-free freezers is not recommended. This product should be stored undiluted.

**Guarantee**

12 months from date of despatch

**Health And Safety  
Information**

Material Safety Datasheet documentation #10591 available at:  
<https://www.bio-rad-antibodies.com/SDS/PPP016>  
10591

**Regulatory**

For research purposes only

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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://www.bio-rad-antibodies.com/datasheets)

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