

# Datasheet: PHP061

**BATCH NUMBER 156337**

<b>Description:</b>	RECOMBINANT HUMAN MCP-1/MCAF
<b>Name:</b>	MCP-1
<b>Other names:</b>	CCL2
<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	▪			10ng/ml - 100ng/ml

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

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.2 ml 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>Preservative Stabilisers</b>	None present.
<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 0.1 ng/ug

<b>Approx. Protein Concentrations</b>	0.1 mg/ml after reconstitution.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P13500</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6347</a>    CCL2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	MCP1, SCYA2
<b>Product Information</b>	<p><b>Recombinant human MCP-1/MCAF</b> also known as C-C motif chemokine 2, Monocyte chemoattractant protein 1, Monocyte chemoattractant protein 1, HC11 or Small-inducible cytokine A2 is encoded by the CCL2 gene. Recombinant MCP-1 is a 76 amino acid ~13kDa chemokine involved in chemotaxis and polarization of the immune response.</p> <p>Recombinant human MCP-1/MCAF has been employed successfully as a control antigen in the development of a sensitive ELISA employing Mouse anti Human MCP-1 antibody clone <a href="#">2.2-4A4-1A11</a> as a capture reagent and biotinylated Rabbit anti Human MCP-1 polyclonal antibody (<a href="#">AHP784B</a>) as a detection reagent.</p>
<b>Protein Molecular Weight</b>	8.6kD (76 Amino acid sequence)
<b>Purity</b>	>98% by SDS PAGE and HPLC analysis
<b>ELISA</b>	This product may be used as a standard for ELISA applications with <a href="#">AHP784</a> , <a href="#">AHP784B</a> or <a href="#">MCA2486</a> .
<b>Western Blotting</b>	This product may be used as the positive control for Western Blotting applications with <a href="#">AHP784</a> , <a href="#">AHP784B</a> or <a href="#">MCA2486</a> .
<b>Storage</b>	<p>Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.</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>	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10268 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PHP061">https://www.bio-rad-antibodies.com/SDS/PHP061</a> 10268
<b>Regulatory</b>	For research purposes only

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>	<b>To find a</b>
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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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