

## Datasheet: PMP75

<b>Description:</b>	RECOMBINANT MOUSE MCP-2
<b>Name:</b>	MCP-2
<b>Other names:</b>	CCL8
<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.abdserotec.com/protocols](http://www.abdserotec.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Functional Assays	■			

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 - lyophilised
<b>Reconstitution</b>	Reconstitute with 200ul distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. AbD Serotec recommend that the vial is gently mixed after reconstitution.
<b>Preparation</b>	Purified recombinant MCP-2 expressed in <i>E.coli</i>
<b>Preservative Stabilisers</b>	None present
<b>Endotoxin Level</b>	<1EU/ug
<b>Approx. Protein Concentrations</b>	0.1mg/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9Z121</a> CCL8_MOUSE <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">20307</a> Ccl8 <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Mcp2, Scya8

**Product Information** MCP-2 (Monocyte Chemoattractant Protein 2), otherwise known as CCL8, is a CC chemokine originally isolated from the human osteosarcoma cell line MG-63, which is expressed at highest levels in peripheral blood cells and the small intestine.

MCP-2 acts as a chemoattractant for monocytes, lymphocytes, eosinophils and basophils, and signals through binding to the common MCP receptor, chemokine (C-C motif) receptor 2 (CCR2), and also CCR1 and CCR3. Proteolytic cleavage of MCP-2 into the NH2-terminally truncated form, MCP-2 (6-76), results in the loss of chemotactic

activity, forming a functional CC chemokine inhibitor, which may be important during inflammatory responses.

<b>Molecular Weight</b>	8.5kD (74 amino acid residues)
<b>Activity</b>	Determined by its ability to chemoattract human peripheral blood monocytes using a concentration range of 10.0-100.0 ng/ml.
<b>Purity</b>	%98 by SDS PAGE and HPLC analysis
<b>Storage</b>	Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Shelf Life</b>	3 months from date of reconstitution.
<b>Health And Safety Information</b>	Material Safety Datasheet Documentation #10268 available at: <a href="http://www.abdserotec.com/uploads/MSDS/10268.pdf">http://www.abdserotec.com/uploads/MSDS/10268.pdf</a>
<b>Regulatory</b>	For research purposes only

**North & South America** Tel: +1 800 265 7376      **Worldwide**  
Fax: +1 919 878 3751  
Email: [sales.us@abdserotec.com](mailto:sales.us@abdserotec.com)

Tel: +44 1865 852 700      **Europe**  
Fax: +44 1865 852 739  
Email: [sales@abdserotec.com](mailto:sales@abdserotec.com)

Tel: 00800 2255 4223  
Fax: 00800 2329 2223  
Email: [sales.eu@abdserotec.com](mailto:sales.eu@abdserotec.com)

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**Printed on 31 May 2013**

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