

## Datasheet: MCA1818

**BATCH NUMBER 166878**

<b>Description:</b>	MOUSE ANTI HUMAN MCP-3
<b>Specificity:</b>	MCP-3
<b>Other names:</b>	CCL7
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	h.mcp.3
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 mg

## 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/1000
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays	▪			1/1000

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>	Human
<b>Product Form</b>	Purified IgG - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.5 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 vortexed after reconstitution and microcentrifuged before use.
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from ascites

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Recombinant human MCP-3 (Macrophage Chemoattractant Protein-3).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P80098</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6354</a>    CCL7    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	MCP3, SCYA6, SCYA7
<b>RRID</b>	AB_2259751
<b>Fusion Partners</b>	Spleen cells from immunised C3H/HeJ mice were fused with cells of a mouse myeloma cell line.
<b>Specificity</b>	<b>Mouse anti Human MCP-3 antibody, clone h.mcp.3</b> recognizes human C-C motif chemokine 7, also known as Monocyte chemoattractant protein 3, MCP-3, CCL7, NC28 or Small-inducible cytokine A7. MCP-3 is a 99 amino acid (including signal peptide sequence) ~9kDa chemotactic glycoprotein for monocytes and eosinophils. No cross reactivity is observed with MCP-1, MCP-2 or other structurally related chemokines.
<b>References</b>	1. Al-Bannawi, A. <i>et al.</i> (2011) <i>Chlamydia pneumoniae</i> induces chemokine expression by platelets in patients with atherosclerosis. <a href="#">Med Princ Pract. 20 (5): 438-43.</a>
<b>Further Reading</b>	1. Opdenakker, G. <i>et al.</i> (1993) Human monocyte chemotactic protein-3 (MCP-3): molecular cloning of the cDNA and comparison with other chemokines. <a href="#">Biochem Biophys Res Commun. 191: 535-42.</a>
<b>Storage</b>	Prior to reconstitution store at -20°C. After reconstitution store at -20°C. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1818">https://www.bio-rad-antibodies.com/SDS/MCA1818</a>

**Regulatory**

For research purposes only

**Related Products****Recommended Secondary Antibodies**

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

**Recommended Negative Controls**[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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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