

Datasheet: PRP17

Description:	RECOMBINANT RAT MCP-1
Name:	MCP-1
Other names:	CCL2
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	10 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	▪			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. It is recommended that the user titrates the protein for use in their own system using appropriate positive/negative controls.

Target Species	Rat
Product Form	Purified recombinant protein expressed in <i>E. coli</i> - lyophilised
Reconstitution	Reconstitute with 0.1ml 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.
Preservative Stabilisers	None present.
Endotoxin Level	<0.1 ng/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution
External Database Links	<p>UniProt: P14844 Related reagents</p> <p>Entrez Gene: 24770 Ccl2 Related reagents</p>
Synonyms	Je, Mcp1, Scya2

Product Information	Macrophage/Monocyte Chemoattractant Protein-1 (MCP-1) plays an important role in the inflammatory response of blood monocytes and tissue macrophages.
Protein Molecular Weight	14kD (125 Amino acid sequence)
Purity	>98% by SDS PAGE and HPLC analysis
ELISA	This product may be used as a standard for ELISA applications with AAR31 .
Western Blotting	This product may be used as the positive control for Western Blotting applications with AAR31 .
References	<ol style="list-style-type: none"> 1. Ali, T. <i>et al.</i> (2006) Monocyte recruitment in venous thrombus resolution. J Vasc Surg. 43: 601-8. 2. Ji, Z. <i>et al.</i> (2014) Thiamine Deficiency Promotes T Cell Infiltration in Experimental Autoimmune Encephalomyelitis: The Involvement of CCL2. J Immunol. 193: 2157-67.
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.</p>
Shelf Life	3 months from date of reconstitution.
Health And Safety Information	<p>Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10268 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf</p>
Regulatory	For research purposes only

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