

**Product Name: CCL7 (MCP-3)**

Catalog Numbers: CCL7-5ug CCL7-20ug CCL7-50ug CCL7-100ug CCL7-1mg

**DESCRIPTION**

<b>Source</b>	E. coli derived Accession # P80098 (24-99)
<b>Modification</b>	None
<b>Actual Molecular Mass (Mass Spec)</b>	Mol weight confirmed by mass spec
<b>Predicted Molecular Mass</b>	8.956 kDa
<b>Extinction Coefficient</b>	8730 M <sup>-1</sup> cm <sup>-1</sup>
<b>Protein Sequence</b>	QPVGINTSTCCYRFINKKIPKQRLESYRRTTSSHCPREAVIFKTKLDKEICADPTQKWVQDFMKHLDKKTQTPKL

**SPECIFICATIONS**

<b>Activity</b>	EC50 = 0.44 nM determined by Migration Assay in cells expressing recombinant CCR2
<b>Endotoxin Level</b>	<0.01 EU per 1µg of the protein by the LAL method
<b>Purity</b>	> 97% by SDS PAGE
<b>Formulations</b>	Lyophilized
<b>Carrier Protein</b>	None

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Spin tube prior to resuspending. Recommended at 100µg/mL in sterile water
<b>Shipping</b>	Room Temp

**Stability and Storage****Avoid repeated freeze-thaw cycles**

- 12 months from date of receipt, -20 to -70 °C as supplied.
- Suggest to use immediately after reconstitution
- 1 month at -20 to -70 °C under sterile conditions after reconstitution.

**BACKGROUND****Description**

Monocyte chemotactic protein 3 (MCP3)(CCL7) is secreted by monocytes and certain tumor cell lines. It is a chemoattractant for monocytes and other leukocytes. MCP3 binds and signals through several cell surface receptors including CCR1, CCR2, CCR3, and appears to be an antagonist for CCR5.

**References:**

1. "Monocyte chemotactic protein-3"  
Menten P., Wuyts A., Van Damme J  
Eur. Cytokine Netw. 12:554-560 (2002)
2. "Human monocyte chemotactic protein-3 (MCP-3): molecular cloning of the cDNA and comparison with other chemokines".  
Opdenakker G., Froyen G., Fiten P., Proost P., Van Damme J.  
Biochem. Biophys. Res. Commun. 191: 535-42 (1993)
3. "CCR5 binds multiple CC-chemokines: MCP-3 acts as a natural antagonist."  
Blanpain C., Migeotte I., Lee B., Vakili J., Doranz B.J., Govaerts C., Vassart G., Doms R.W., Parmentier M. Blood 94:1899-1905 (1999)