

Recombinant Human Macrophage/Monocyte Chemoattractant Protein-3 (MCP-3/CCL7)

Publication Number MAN0004472

Rev. 1.00

Catalog Number:	PHC1574
Quantity:	10 µg
Lot Number:	See product label.
Molecular Weight:	9.0 kDa, 76 amino acid residues.
Purity:	>98% as determined by SDS-PAGE and HPLC analyses.
Biological Activity:	The biological activity was determined by measuring dose-dependent chemotaxis with human peripheral blood monocytes. A concentration range of 10–100 ng/mL produced significant chemotaxis. The optimal concentration for each specific application should be determined by an initial dose-response assay. MCP-3, known alternatively as CCL7, is a chemoattractant for monocytes, basophils, NK cells, activated T cells, and immature dendritic cells.
Formulation:	Lyophilized, carrier-free. Sterile-filtered prior to lyophilization.
Endotoxin:	<0.1 ng/µg
Production:	Recombinant human MCP-3 is produced in <i>E. coli</i> and purified via sequential chromatography.
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. This lyophilized protein should be reconstituted in sterile, distilled water to a concentration of 0.1–1.0 mg/mL. Further dilutions should be made in a buffered solution containing carrier protein, such as phosphate buffered saline supplemented with 0.1–1.0% BSA.
Storage:	This lyophilized preparation is stable at –20°C for up to 2 years from date of receipt. The reconstituted MCP-3 should be apportioned into working aliquots and stored at ≤ –20°C for up to 3 months with a carrier protein. Keep freeze-thaw cycles to a minimum.
Expiration Date:	See product label.

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

Limited Use Label License: Research Use Only

The purchase of this product conveys to the purchaser the limited, non-transferable right to use the purchased amount of the product only to perform internal research for the sole benefit of the purchaser. No right to resell this product or any of its components is conveyed expressly, by implication, or by estoppel. This product is for internal research purposes only and is not for use in commercial applications of any kind, including, without limitation, quality control and commercial services such as reporting the results of purchaser's activities for a fee or other form of consideration. For information on obtaining additional rights, please contact outlicensing@lifetech.com or Out Licensing, Life Technologies, 5791 Van Allen Way, Carlsbad, California 92008.

For Research Use Only. Caution: Not for human or animal therapeutic or diagnostic use.

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

© 2011 Life Technologies Corporation. All rights reserved. The trademarks mentioned herein are the property of Life Technologies Corporation or their respective owners.

For support visit www.lifetechnologies.com/support or email techsupport@lifetech.com

www.lifetechnologies.com

Revision Date 01 June 2011

