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# Recombinant Human Monocyte Chemoattractant Protein-2

National Cancer Institute

## Source

National Cancer Institute. *Recombinant Human Monocyte Chemoattractant Protein-2*.  
NCI Thesaurus. Code C1671.

A recombinant agent, chemically identical or similar to the endogenous small inducible cytokine A8 (MCP-2). This agent is a member of the Cys-Cys chemokine family, with potent chemoattractant effect for monocytes, basophils and T lymphocytes and antiviral activity. MCP-2 is a ligand for CC chemokine receptor 5 (CCR5) on CD4+ lymphocytes, and competitively block R5 HIV-1 cellular entry via interaction with CCR5, through direct interference with HIV-1 gp120 binding. This agent induces a robust, pertussis toxin-sensitive calcium flux in primary lymphocytes.