

Product Name: Biotin-CCL14 (HCC-1)

Catalog Numbers: B-CCL14-2ug B-CCL14-10ug B-CCL14-50ug B-CCL14-100ug

DESCRIPTION**Source** E. coli derived Accession # Q16627 (28-93)**Modification** Biotinylated**Predicted Molecular Mass** 10219.5471 Da**Extinction Coefficient** 19,300 M⁻¹ cm⁻¹**SPECIFICATIONS****Activity** EC50 = 0.2-0.4 nM determined by migration assay with cells expressing recombinant CCR1**Actual Molecular Mass** 10,219.5471 Da by ESI Mass Spec**(Mass Spec)****Endotoxin Level** <0.01 EU per 1µg of the protein by the LAL method**Purity** > 97% by SDS PAGE**Formulations** Lyophilized**Carrier Protein** None**PREPARATION AND STORAGE****Reconstitution** Spin tube prior to resuspending. Recommended at 100µg/mL in sterile water**Shipping** 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
- At least 1 month at -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND**Description**

Hemofiltrate CC chemokine-1(HCC-1)(CCL14) is constitutively expressed by numerous tissues. Upon processing of the N terminal residues of the full length HCC-1 by the uPA-plasmin system, the active form of HCC-1 (made by ChemoTactics) is a strong agonist for CCR1, CCR5 and to a lesser extent CCR3, and causes chemotaxis of different types of leukocytes. The active form of HCC-1 is also shown as a potent inhibitor of HIV entry.

References:

1. "HCC-1, a novel chemokine from human plasma"

Schulz-Knappe P., Mägert H., Dewald B., etc

J Exp Med 183:295-299 (1996)

2. "Urokinase Plasminogen Activator and Plasmin Efficiently Convert Hemofiltrate CC Chemokine 1 into Its Active [9-74] Processed Variant"

Vakili J., Standker L., Detheux M., Vassart, G., Forssmann W., Parmentier M

J Immunol 167:3406-3413 (2001)