

**Product Name: Biotin-CCL28 (MEC)**

Catalog Numbers: B-CCL28-2ug B-CCL28-10ug B-CCL28-50ug B-CCL28-100ug

**DESCRIPTION**

<b>Source</b>	E. coli derived Accession # Q9NRJ3 (23-127)
<b>Modification</b>	Biotinylated
<b>Predicted Molecular Mass</b>	14,490.7111 Da
<b>Extinction Coefficient</b>	14,300 M <sup>-1</sup> cm <sup>-1</sup>

**SPECIFICATIONS**

<b>Activity</b>	EC <sub>50</sub> = 40-60 nM determined by migration assay with cells expressing recombinant CCR10
<b>Actual Molecular Mass (Mass Spec)</b>	14,490.7111 Da by ESI Mass Spec
<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****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**

Mucosae-associated epithelial chemokine (MEC)(CCL28) is secreted by epithelial cells of gastrointestinal and nonintestinal mucosal cells, and regulates chemotaxis of cells expressing surface receptors CCR3 and CCR10. It shows broad-spectrum antibacterial activities, and could also be useful in vaccination of HIV infection.

**References:**

1. "A novel chemokine ligand for CCR10 and CCR3 expressed by epithelial cells in mucosal tissues"  
Pan et al.  
J. Immunol. 165: 2943–2949 (2000)
2. Identification of a novel chemokine (CCL28), which binds CCR10 (GPR2).  
Wang et al.  
J. Biol. Chem. 275: 22313–22323 (2000)
3. "The Mucosae-Associated Epithelial Chemokine (MEC/CCL28) Modulates Immunity in HIV Infection"  
Castelletti E. et al.  
PLoS ONE 2:e969 (2007)