

## Recombinant CCL19 (MIP-3 $\beta$ ), biotinylated

### ORDERING INFORMATION

Catalog No.	Size
50184PB-2	2ug
50184PB-10	10ug
50184PB-50	50ug
50184PB-100	100ug

### BACKGROUND

CCL19 (also known as Macrophage Inflammatory Protein-3beta, MIP-3 $\beta$ , and EBI1 ligand chemokine, ELC) directs chemotaxis of dendritic cells and certain B- and T-lymphocytes, but not monocytes or granulocytes. It is constitutively expressed in thymus and lymph nodes and binds specifically to target cells expressing the receptor CCR7. As a homeostatic chemokine, its primary physiological role is thought to be in the normal recirculation and homing of lymphocytes. However, CCL19 can also be proinflammatory and is implicated in post-HIV infection responses.

### DESCRIPTION

<b>Source:</b>	Recombinant human CCL19 produced in <i>E. coli</i> (accession no. Q99731, aa 22-98).
<b>Modification:</b>	Biotinylated
<b>Protein Sequence:</b>	GTNDAEDCCLSVTQKPIPGYIVRNFHYLLIKDGCRVPAVVFTTLRGRQLC APPDQPWVERIIQRLQRTSAKMKRRSS
<b>Molecular Mass:</b>	11.22kDa by Mass Spec.
<b>Purity:</b>	>97% by SDS-PAGE
<b>Activity:</b>	EC50 = 18-25nM determined by Migration Assay with cells expressing recombinant CCR7.
<b>Endotoxin Level:</b>	<0.01 EU per 1ug of protein by LAL method.
<b>Form:</b>	Lyophilized.
<b>Carrier Protein:</b>	None.

### PREPARATION AND STORAGE

<b>Reconstitution:</b>	Recommended at 100ug/ml in sterile distilled water.
<b>Stability and Storage:</b>	12 months from date of receipt, -20°C to -70°C, as supplied. 1 month, -20°C to -70°C, under sterile conditions after reconstitution. Best if used immediately after reconstitution. <b>Avoid multiple freeze-thaw cycles.</b>

*For in vitro investigational use only. Not for use in diagnostic or therapeutic procedures.*