

Recombinant CCL19 (MIP-3 β)

ORDERING INFORMATION

Catalog No.	Size
50184P-5	5ug
50184P-20	20ug
50184P-50	50ug
50184P-100	100ug
50184P-1000	1000ug

BACKGROUND

CCL19 (also known as Macrophage Inflammatory Protein-3beta, MIP-3 β , and EB11 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

Source:	Recombinant human CCL19 produced in <i>E. coli</i> (accession no. Q99731).
Protein Sequence:	GTNDAEDCCLSVTQKPIPGYIVRNFHYLLIKDGCRVPAVVFTTLRGRQLC APPDQPWVERIIQRLQRTSAKMKRRSS
Molecular Mass:	8.8kDa by Mass Spec.
Purity:	>97% by SDS-PAGE
Activity:	EC50 = 30nM determined by calcium flux with recombinant human CCR7.
Endotoxin Level:	<0.01 EU per 1ug of protein by LAL method.
Form:	Lyophilized.
Carrier Protein:	None.

PREPARATION AND STORAGE

Reconstitution:	Recommended at 100ug/ml in sterile distilled water.
Stability and Storage:	12 months from date of receipt, -20°C to -70°C, as supplied. 1 month, 2°C to 8°C, under sterile conditions after reconstitution. 3 months, -20°C to -70°C, under sterile conditions after reconstitution.

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