



Human CCL19 peptide (DAG343)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

MIP3 chemokines are among many novel beta chemokines recently identified through bioinformatics in the Expressed Sequence Tag (EST) database. They are distantly related to other beta chemokines (20-30% aa sequence homology). MIP3 chemokines are useful probes for studying the biology of inflammation and cell migration. Their expression is strongly up-regulated by inflammatory signals and down-regulated by the anti-inflammatory cytokine IL10. MIP3 beta is also known as ELC (EBI1-1 ligand chemokine) and is constitutively expressed in various lymphoid tissues (thymus, lymph nodes, appendix and spleen). MIP3 beta is a chemoattractant for cultured human lymphocytes, dendritic cells, human T lymphoblastoid CEM NKR2 and hemopoietic progenitor cells. It may be involved in G Protein activation in human NK cells. MIP3 beta is a unique functional ligand for CCR7. The MIP3 beta gene has been mapped to chromosome 9p13.

Species	Human
Conjugate	Unconjugated
Applications	The activity is calculated by the ability to chemoattract Human T cells using a concentration of 10-50ng/ml. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in s
Format	Purified, Lyophilized Reconstitute using sterile deionized water to a concentration 100µg/ml. Further dilutions can be made in other aqueous buffers.
Concentration	Lot specific (OD280nm) (prior to lyophilization)
Buffer	Lyophilized from water containing no additives.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Macrophage inflammatory protein 3 beta (MIP-3 beta), also known as ELC (EBI1-ligand chemokine) and exodus-3, is constitutively expressed in various lymphoid tissues, including thymus, lymph nodes, appendix and spleen. It is distantly related to other CC chemokines (20-30% amino acid sequence identity).
Keywords	CCL19; chemokine (C-C motif) ligand 19; ELC; CKb11; MIP3B; Scya19; exodus-3; C-C motif chemokine 19; chemokine CCL19; EBI1 ligand chemokine; EBI1-ligand chemokine; EBI-1 ligand chemokine; small inducible cytokine A19; small-inducible cytokine A19; EBV-ind

GENE INFORMATION

Entrez Gene ID [3627](#)

UniProt ID [P02778](#)