

Active Recombinant Human Chemokine (C-C Motif) Ligand 19

Cat. No. CCL19-298H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MIP-3b produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 77 amino acids and having a molecular mass of 8809 Dalton.
Species	Human
Source	E.coli
Description	This gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes.
Form	Lyophilized with no additives.
Purity	Purity Greater than 98% as determined by: Analysis by RP-HPLC. Reducing and non-reducing SDS-PAGE.
Bio-activity	Macrophage inflammatory protein 3beta is fully biologically active when compared to standard. The Activity is calculated by the ability to chemoattract Human T cells using a concentration of 7-40 ng/ml.
Physical Appearance	Sterile Filtered white lyophilized (freeze-dried) powder.
Solubility	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is

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recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg"s/ml, which can be further diluted into other aqueous solutions.

Purity Greater than 98% as determined by

Analysis by RP-HPLC. Reducing and non-reducing SDS-PAGE.

Protein Content determined by

UV spectroscopy at 280 nm. Analysis by RP-HPLC calibrated against a known standard. Quantitation on SDS-PAGE against a known standard.

Endotoxin Level

Endotoxin level as measured by LAL is <0.01ng/ug or <0.1EU/ug.

Amino acid sequence

GTNDAEDCCL SVTQKPIPGY IVRNFHYLLI KDGCVRPAVV FTTLRGRQLC
APPDQPWVER IIQRLQRTSA KMKRRSS

Storage

Lyophilized product is very stable at -20 degrees. Reconstituted material should be aliquoted and frozen at -20. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

GENE INFORMATION

Gene Name

CCL19 chemokine (C-C motif) ligand 19 [Homo sapiens]

Official Symbol

CCL19

Synonyms

small inducible cytokine A19; exodus-3; CK beta-11; EBI1-ligand chemokine; CC chemokine ligand 19; beta chemokine exodus-3; small inducible cytokine subfamily A (Cys-Cys), member 19; ELC; CKb11; MIP3B; MIP-3b; SCYA19; MGC34433; CCL19; Macrophage inflammatory protein 3 beta; Short name=MIP-3-beta; EBI1-ligand chemokine; Short name=ELC; Beta chemokine exodus-3; CK beta-11; C-C motif

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	chemokine 19; ELC; MIP3B; SCYA19
Gene ID	6363
mRNA Refseq	NM_006274
Protein Refseq	NP_006265
MIM	602227
UniProt ID	Q99731
Chromosome Location	9p13
Pathway	Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Signaling by GPCR
Function	chemokine activity

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