

## Active Recombinant Mouse Ccl19 Protein (83 aa)

Cat. No. Ccl19-022C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Ccl19 Protein without tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	83
<b>Description</b>	Macrophage Inflammatory Protein-3 beta also called CCL19, ELC (EBI1 Ligand Chemokine), Exodus-3 is a reported $\beta$ chemokine that binds specifically to the chemokine receptor CCR7/EBI1/BLR2. It is expressed in the thymus, lymph nodes and in activated bone marrow stromal cells. MIP-3 beta is a chemoattractant for T and B lymphocytes and myeloid progenitor cells.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	Measured by its ability to chemoattract human CCR7 transfected BaF3 mouse proB cells. The ED50 for this effect is typically 3-15 ng/mL.
<b>Molecular Mass</b>	Approximately 9.2 kDa, a single non-glycosylated polypeptide chain containing 83 amino acids.
<b>AA Sequence</b>	GANDAEDCCLSVTQRPIPGNIVKAFRYLLNEDGCRVPAVVFTTLRGYQLCAPPDQP WVDRIIRRLKKSSAKNKGNSTRRSPVS

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<b>Endotoxin</b>	Less than 1 EU/μg of rMuMIP-3b/CCL19 as determined by LAL method.
<b>Purity</b>	>95% by SDS-PAGE and HPLC analyses.
<b>Storage</b>	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 to -70 centigrade. Avoid repeated freeze/thaw cycles.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20C. Further dilutions should be made in appropriate buffered solutions.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Ccl19 chemokine (C-C motif) ligand 19 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Ccl19
<b>Synonyms</b>	CCL19; chemokine (C-C motif) ligand 19; 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-induced molecule 1 ligand chemokine; epstein-Barr virus-induced molecule 1 ligand chemokine; ELC; CKb11; MIP3B; Scya19; exodus-3;
<b>Gene ID</b>	24047

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mRNA Refseq [NM\\_011888](#)

Protein Refseq [NP\\_036018](#)

UniProt ID [O70460](#)

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