

Active Recombinant Mouse Ccl19 Protein (83 aa)

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

SPECIFICATION

Product Overview	Recombinant Mouse Ccl19 Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	83
Description	Macrophage Inflammatory Protein-3 beta also called CCL19, ELC (EBI1 Ligand Chemokine), Exodus-3 is a reported β 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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Measured by its ability to chemoattract human CCR7 transfected BaF3 mouse proB cells. The ED50 for this effect is typically 3-15 ng/mL.
Molecular Mass	Approximately 9.2 kDa, a single non-glycosylated polypeptide chain containing 83 amino acids.
AA Sequence	GANDAEDCCLSVTQRPIPGNIVKAFRYLLNEDGCRVPAVVFTTLRGYQLCAPPDQP WVDRIIRRLKKSSAKNKGNSTRSPVS

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Endotoxin	Less than 1 EU/μg of rMuMIP-3b/CCL19 as determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analyses.
Storage	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.
Storage Buffer	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.
Reconstitution	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.

GENE INFORMATION

Gene Name	Ccl19 chemokine (C-C motif) ligand 19 [<i>Mus musculus</i>]
Official Symbol	Ccl19
Synonyms	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;
Gene ID	24047

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mRNA Refseq	NM_011888
Protein Refseq	NP_036018
UniProt ID	O70460

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