Recombinant Mouse Ccl19 protein

Cat. No. Ccl19-623M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ccl19 protein was expressed in Escherichia coli.
Species	Mouse
Source	E.coli
ProteinLength	83
Description	CCL19, also known as EBI1 Ligands chemokine (ELC) and macrophage inflammatory protein-3-beta, is encoded by the CCL19 gene which is located on chromosome 4 in mouse. The protein is expressed at high levels in thymus and lymph nodes, with intermediate levels in trachea and colon and low levels in stomach, lung and some other organs. CCL19 is signal through CCR7 and chemotaxis of T and B lymphocytes and myeloid progenitor cells.
Form	Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human mature dendritic cells is in a concentration range of 10-100 ng/ml.
Molecular Mass	Approximately 9.2 kDa, a single non-glycosylated polypeptide chain containing 83 amino acids.
AA Sequence	GANDAEDCCLSVTQRPIPGNIVKAFRYLLNEDGCRVPAVVFTTLRGYQLCAPPDQP

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	WVDRIIRRLKKSSAKNKGNSTRRSPVS
Endotoxin	Less than 1 EU/μg of rMuMIP-3β/CCL19 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
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 ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	Ccl19
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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