

## Recombinant Human CCL19 Protein

Cat. No. CCL19-12H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CCL19 Protein without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Macrophage inflammatory protein-3 beta (MIP-3 $\beta$ ), also called CCL19, is a chemokine that is expressed in the thymus, lymph nodes, and activated bone marrow stromal cells. MIP-3 $\beta$ signals through the G protein-coupled receptor CCR7 to regulate normal lymphocyte recirculation. MIP-3 $\beta$ also functions during T cell trafficking to the thymus, and in T cell and B cell homing to the lymph nodes and secondary lymphoid organs. Human MIP-3 $\beta$ shows activity on mouse cells.
<b>Bio-activity</b>	No biological activity data is available at this time.
<b>Molecular Mass</b>	Monomer, 8.8 kDa (77 aa)
<b>AA Sequence</b>	GTNDAEDCCLSVTQKPIPGYIVRNHFHYLLIKDGCRVPAVVFTTLRGRQLCAPPDQPW VERIIQRLQRRTSAKMKRRSS
<b>Endotoxin</b>	$\leq 1$ EUs/ $\mu$ g, Kinetic LAL
<b>Purity</b>	$\geq 95\%$ , Reducing and Non-Reducing SDS PAGE
<b>Stability</b>	12 months from date of receipt when stored at -20 to -80 centigrade as supplied.

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1 month when stored at 4 centigrade after reconstituting as directed.  
 3 months when stored at -20 to -80 centigrade after reconstituting as directed.

**Storage** Storage Prior to Reconstitution: -20 centigrade

**Storage Buffer** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)

**Reconstitution** Sterile water at 0.1 mg/mL

**Shipping** Room temperature

**Instructions** Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

## GENE INFORMATION

**Gene Name** CCL19 chemokine (C-C motif) ligand 19 [ Homo sapiens (human) ]

**Official Symbol** CCL19

**Synonyms** CCL19; chemokine (C-C motif) ligand 19; SCYA19, small inducible cytokine subfamily A (Cys Cys), member 19; C-C motif chemokine 19; beta chemokine exodus 3; CC chemokine ligand 19; CK beta 11; CKb11; EBI1 ligand chemokine; ELC; exodus 3; macrophage inflammatory protein 3 beta; MIP 3b; exodus-3; CK beta-11; MIP-3-beta; EBI1-ligand chemokine; beta chemokine exodus-3; beta-chemokine exodus-3; small-inducible cytokine A19; macrophage inflammatory protein 3-beta; epstein-Barr virus-induced molecule 1 ligand chemokine; small inducible cytokine subfamily A (Cys-Cys), member 19; MIP3B; MIP-3b; SCYA19; MGC34433;

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Gene ID	6363
mRNA Refseq	NM_006274
Protein Refseq	NP_006265
MIM	602227
UniProt ID	Q99731

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