

CCL18

Recombinant Human CCL18/ Macrophage Inflammatory Protein-4

Catalog No.	CRM410A CRM410B CRM410C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	C-C motif chemokine18, MIP-4, CCL18, AMAC-1, DC-CK1, small-inducible cytokine A18, SCYA18		
Description:	The C-C motif cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes, characterized by two adjacent cysteines. CCL18 (also known as Macrophage Inflammatory Protein-4/ MIP-4) displays chemotactic activity for naive T cells, CD4+ and CD8+ T cells and non-activated lymphocytes, but not for monocytes or granulocytes. It may play a role in both humoral and cell-mediated immunity, and is involved in B-cell migration in the lymph nodes. CCL18 is expressed in the lymph nodes, lungs, placenta and bone marrow.		
Gene ID:	6362		
Protein Accession No:	P55774		
Source:	<i>E. coli</i>		
Molecular Weight:	7.9 kDa (69 aa)		
Formulation:	Lyophilized from a sterile filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).		
Purity:	≥ 95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg by kinetic LAL analysis		
Biological Activity:	This product demonstrates chemotaxis using primary human T cells.		
Amino Acid Sequence:	AQVGTNKELC CLVYTSWQIP QKFIVDYSET SPQCPKPGVI LLTKRGRQIC ADPNKKWVQK YISDLKLNA		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/ml. DO NOT VORTEX. Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	Store at -20°C to -80°C for up to 1 year. Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, freeze in working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. Avoid repeated freeze-thaw cycles.		

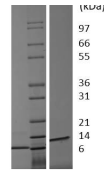
Reduced: + - MW
 ■ ■ /kDa



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com



Human MIP-4 / CCL18 Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human MIP-4 / CCL18 is predicted to have a MW of 7.9 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com