

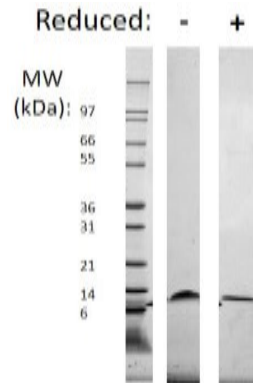
CCL4

Recombinant Human CCL4/ Macrophage Inflammatory Protein -1 beta

Catalog No.	CRM403A CRM403B CRM403C CRM403D	Quantity:	2 µg 10 µg 1.0 mg 500 µg
Alternate Names:	C-C motif chemokine ligand 4, ACT2, HC21, LAG-1, small-inducible cytokine A4, SCYA4, AT744.1, MIP-1-beta		
Description:	CCL4 (also known as Macrophage Inflammatory Protein-1 beta; MIP-1-beta) is a secreted mitogen-inducible monokine. It signals through the chemokine receptor CCR5 to attract immune cells and induces inflammatory responses, including neutrophil superoxide production. CCL4 is one of the major HIV-suppressive factors produced by CD8+ T-cells.		
Gene ID:	6351		
Protein Accession No:	P13236		
Source:	<i>E. coli</i>		
Molecular Weight:	7.8 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.		
Biological Activity:	This product demonstrates chemotaxis using human PBMC, first detectable at 3.1 ng/ml.		
Amino Acid Sequence:	APMGSDPPTA CCFSYTARKL PRNFVVDYYE TSSLCSQPAV VFQTKRGKQV CADPSESW VQ EYVYDLELN		
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 as supplied 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.		



Figure: 1 μ g run under (+) reducing conditions and (-) non-reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue.



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