cellsciences.com

CCL3
Recombinant Human MIP-1 alpha / CCL3

Catalog No.	CRH316A	**Quantity:**	5 µg
	CRH316B		100 µg
	CRH316C		1 mg

Alternate Names: Macrophage inflammatory protein-1 alpha, C-C motif chemokine 3, CCL3, LD78 alpha, Small inducible cytokine A3

Description: Macrophage inflammatory protein-1 alpha (MIP-1 α), also known as CCL3, is a cytokine produced by macrophages. MIP-1 α binds the chemokine receptors CCR1, CCR4 and CCR5 to induce inflammatory responses, including the recruitment of granulocytes and neutrophil superoxide production. The MIP-1 α and MIP-1 β heterodimer exhibits antiviral activity against the human immunodeficiency virus 1 (HIV-1).

Gene ID: 6348

UniProt ID: P10147

Source: *E. coli*

Molecular Weight: Monomer, 7.8 kDa (70 aa)

Formulation: Lyophilized from a sterile-filtered 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 in assays with human PBMCs or THP-1 cells.

Amino Acid Sequence: ASLAADTPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPGV IFLTKRSRQV CADPSEEWVQ KYVSDLELSA

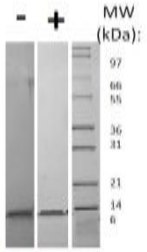
Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for reconstitution. A small amount of precipitate may be seen.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. **Avoid repeated freeze-thaw cycles.**

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-1 alpha Gel
Figure: 1 ug run under (-) non-reducing and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human MIP-1 alpha has predicted MW of 7.8 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