

## MIP-4 Human E. coli

### Product Data Sheet

<b>Type:</b> Recombinant	<b>Cat. No.:</b>	
<b>Source:</b> E. coli	RBG10229002	(2 µg)
<b>Species:</b> Human	RBG10229010	(10 µg)
<b>Other names:</b> Macrophage Inflammatory Protein-4, CCL18, PARC, DC-CK1, AMAC-1	RBG10229100	(100 µg)

### Description

MIP-4 is a CC chemokine that is expressed in lymph nodes, lungs, placenta and bone marrow. MIP-4's primary receptor is unknown. MIP-4 chemoattracts lymphocytes, and has been shown to exert activity on both CD4+ and CD8+ T cells. Recombinant Human MIP-4 is a 7.8 kDa protein containing 68 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

### Research topic

Chemokines, Cytokines and chemokines and related molecules

### Amino Acid Sequence

AQVGTNKELC CLVYTSWQIP QKFLVDYSET SPQCPKPGVI LLTKRGRQIC ADPNKKWVQK YISDLKLNA

### Source

E. coli

### Purity

98%

### Biological Activity

Assay #1: Determined by its ability to chemoattract human T lymphocytes using a concentration of 1.0-10.0 ng/ml. Assay #2: Determined by its ability to chemoattract human iDCs using a concentration of 1.0-10.0 ng/ml.

### Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

### Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

### Storage, Stability/Shelf Life

-20°C

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