

## Recombinant Human MIP-4 (CCL18)

Cat No:HR2R1749

For research use only

### Overview

Quantity	1.0 ?g
Gene Symbol	CCL18
Gene ID	6362
Accession	P55774
Alternative Name	MIP4, CCL18, Pulmonary and activation-regulated chemokine, PARC, DC-CK1, AMAC-1, C-C motif chemokine 18, Small-inducible cytokine A18 Recombinant Human Macrophage Inflammatory Protein-4 (CCL18)
Species	Human
Source	E. coli
Description	CCL18, also designated dendritic cell (DC)3-derived CC chemokine 1, pulmonary and activation-regulated chemokine, alternative macrophage activation-associated CC chemokine 1, and MIP-4, is a human chemokine structurally related to CCL3. CCL18 was shown to be expressed in germinal centers of tonsils by dendritic cells and to attract mainly naive T cells, CD38 mantle zone B lymphocytes and DC. The production of CCL18 by APC is enhanced by Th2 cytokines like IL-4 and IL-13 and suppressed by IFN-gamma.
Functions	Determined by its ability to chemoattract human T cells using a concentration range of 2-40 ng/mL.
Formulation	Recombinant CC18 was lyophilized from a 0.2 ?m filtered 20 mM PB,100 mM NaCl solution pH 7.5.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	8
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.