

Recombinant Human CCL18 protein

Cat. No. CCL18-200H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL18 was expressed in E. coli.
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.
Form	Recombinant CC18 was lyophilized from a 0.2 µm filtered 20 mM PB,100 mM NaCl solution pH 7.5.
Molecular Mass	8.0 kDa
Endotoxin	<1.0 EU/µg of recombinant protein as determined by the LAL method.
Purity	95%
Applications	Cell Assay

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Storage The lyophilized protein is stable for at least one year from date of receipt at -70 centigrade. Upon reconstitution, this cytokine can be stored in working aliquots at 2 centigrade- 8 centigrade for one month, or at -20 centigrade for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

Reconstitution 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.

GENE INFORMATION

Gene Name CCL18 chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated) [Homo sapiens]

Official Symbol CCL18

Synonyms CCL18; chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated); SCYA18, small inducible cytokine subfamily A (Cys Cys), member 18, pulmonary and activation regulated; C-C motif chemokine 18; AMAC 1; CKb7; DC CK1; DCCK1; MIP 4; PARC; CC chemokine PARC; CC chemokine ligand 18; chemokine (C-C), dendritic; dendritic cell chemokine 1; small inducible cytokine A18; small-inducible cytokine A18; macrophage inflammatory protein 4; pulmonary and activation-regulated chemokine; alternative macrophage activation-associated CC chemokine 1; small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary and activation-regulated; AMAC1; MIP-4; AMAC-1; DC-CK1; SCYA18;

Gene ID 6362

mRNA Refseq NM_002988

Protein Refseq NP_002979

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MIM	603757
UniProt ID	P55774
Chromosome Location	17q11.2
Pathway	Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	chemokine activity; protein binding;
	