

Active Recombinant Human Chemokine (C-C Motif) Ligand 18, HIgG1 Fc-tagged, mutant

Cat. No. CCL18-251H Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human CCL18 (AAH69700.1)(Ala21-Ala89) is fused to the N-terminus of the Fc region of a mutant human IgG1 was expressed in CHO cell.
Species	Human
Source	CHO
ProteinLength	21-89 a.a.
Description	This gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for naive T cells, CD4+ and CD8+ T cells and nonactivated lymphocytes, but not for monocytes or granulocytes. This chemokine attracts naive T lymphocytes toward dendritic cells and activated macrophages in lymph nodes. It may play a role in both humoral and cell-mediated immunity responses.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit Eotaxin-induced chemotaxis of BaF3 mouse pro-B cells.
Molecular Mass	34KDa (monomer)

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AA Sequence	Ala21-Ala89
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

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

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mRNA Refseq	NM_002988
Protein Refseq	NP_002979
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;

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