

Recombinant Rat CCL4

Cat. No. CCL4-74R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat CCL4/MIP-1 beta was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Rat
Source	Yeast
Description	Chemokine ligand 4 (CCL4) is a small cytokine belonging to the CC chemokine family that is commonly known as MIP-1 beta. There are at least 27 distinct members of the C-C subgroup reported for mammals. They are characterized by two adjacent cysteines. CC chemokines induce the migration of monocytes and other cell types such as NK cells and dendritic cells. CCL4 (MIP-1 beta) is a chemoattractant for natural killer cells, monocytes and a variety of other immune cells. CCL4 is involved in several inflammatory and autoimmune diseases including viral infection such as HIV-1/AIDS.
Form	Lyophilized
Molecular Mass	7.8 kDa
AA Sequence	APIGSDPPTS CCFSYTSRKI HRNFVMDYIE TSSLCSQPAV VFLTCKGRQI CADPSEPWVN EYVNDLELN (69)
Applications	The Rat CCL4/MIP-1 beta protein can be used in cell culture, as an CCL4/MIP-1 beta ELISA Standard, and as a Western Blot Control.

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Storage -20 C

GENE INFORMATION

Gene Name Ccl4 chemokine (C-C motif) ligand 4 [*Rattus norvegicus*]

Official Symbol CCL4

Synonyms CCL4; chemokine (C-C motif) ligand 4; C-C motif chemokine 4; MIP-1-beta; small inducible cytokine A4; small-inducible cytokine A4; macrophage inflammatory protein 1-beta; macrophage inflammatory protein-1 beta; Scya4; Mip1-b;

Gene ID 116637

mRNA Refseq [NM_053858](#)

Protein Refseq [NP_446310](#)

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; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Salmonella infection, organism-specific biosystem;

Function CCR1 chemokine receptor binding; CCR5 chemokine receptor binding; chemokine activity; chemokine activity;

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