

JE/MCP-1 Murine E. coli

Product Data Sheet

Type: Recombinant	Cat. No.:	
Source: E. coli	RBG20083002	(2 µg)
Species: Murine	RBG20083010	(10 µg)
Other names: Monocyte Chemotactic Protein-1 (MCP-1), CCL2	RBG20083100	(100 µg)

Description

The MCP proteins are members of the CC chemokine family that signal through CCR2 and, with the exception of MCP-1, other CCR receptors. The MCP proteins chemoattract and activate monocytes, activated T cells, basophils, NK cells, and immature dendritic cells. The MCP family cross-reacts across species. Recombinant Murine JE is a 13.8 kDa protein containing 125 amino acid residues, including the four highly conserved cysteine residues present in the CC chemokines.

Research topic

Cardiovascular disease, Chemokines, Coronary artery disease, Cytokines and chemokines and related molecules, Immune Response, Infection and Inflammation, Neural tissue markers, Oncology

Amino Acid Sequence

QPDVAVNAPLT CCYSFTSKMI PMSRLESYKR ITSSRCPKEA VVFVTKLKRE VCAPPKKEWV QTYIKNLDRN QMRSEPTTLF
KTASALRSSA PLNVKLTRKS EANASTTFST TTSSTSVGVT SVTVN

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to chemoattract Balb/C mouse spleen MNCs using a concentration range of 1.0-20.0 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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