

MDC/CCL22, murine recombinant

CATALOG #:	7169-10	10 µg
	7169-50	50 µg
ALTERNATE NAMES:	Macrophage-Derived Chemokine, CCL22, STCP-1, ABCD-1	
SOURCE:	E. Coli	
PURITY:	≥ 98% by SDS-PAGE gel and HPLC analyses	
MOL. WEIGHT:	7.8 kDa	
ENDOTOXIN LEVEL:	< 0.1 ng/µg of protein (<1EU/µg).	
FORM:	Lyophilized	
FORMULATION:	Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	

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.

DESCRIPTION:

MDC is a CC chemokine that is produced in B cells, macrophages, monocyte-derived dendritic cells, activated NK cells and CD4 T cells. It signals through the CCR4 receptor. MDC chemoattracts monocytes, dendritic cells and NK cells and exerts HIV suppressive activity. The 67 amino acid form of MDC displays reduced chemoattractant activity but retains HIV suppressive activity. Recombinant murine MDC is a 7.8 kDa protein containing 68 amino acid residues including the four highly conserved cysteine residues present in the CC chemokines.

BIOLOGICAL ACTIVITY:

Determined by its ability to chemoattract human activated lymphocytes using a concentration range of 10.0-100.0 ng/ml.

AMINO ACID SEQUENCE:

GPYGANVEDS ICCQDYIRHP LPSRLVKEFF WTSKSCRKPG VVLITVKNRD
ICADPRQVWV KKLLHKLS

RELATED PRODUCTS:

- MDC, human recombinant (**Cat # 4617-20, -100, -1000**)
- MCP-1 (MCAF), human recombinant (**Cat # 4222-20, -100, -1000**)
- MCP-1 (MCAF), rat recombinant (**Cat # 4224-10, -1000**)
- MCP-2, human recombinant (**Cat # 4225-10, -1000**)
- MCP-2, murine recombinant (**Cat # 4226-10, -1000**)
- MCP-3, human recombinant (**Cat # 4228-10, -1000**)
- MCP-3, murine recombinant (**Cat # 4229-10, -1000**)
- MCP-4, human recombinant (**Cat # 4231-10, -1000**)

FOR RESEARCH USE ONLY! Not to be used in humans.