ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

techsupport@prosci-inc.com
prosci-inc.com

CCL2 Recombinant Protein

CATALOG NUMBER: 90-379

Specifications

SPECIES:	Mouse
SOURCE SPECIES:	CHO cells
SEQUENCE:	The extracellular domain of mouse CCL2 (aa 24-148) is fused to the N-terminus of the Fc region of mouse IgG2a.
FUSION TAG:	Fc Tag
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant proteins is for research use only.
BIOLOGICAL ACTIVITY:	N/A

Properties

PURITY:	>98% (SDS-PAGE). Endotoxin level is less than 0.06EU/ ug protein (LAL test; Lonza).
PHYSICAL STATE:	Lyophilized
BUFFER:	Lyophilized from 0.2um-filtered solution in PBS. Reconstitute at 100 ug/ml in sterile PBS.
STORAGE CONDITIONS:	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.

Additional Info

ALTERNATE NAMES:	C-C Motif Chemokine 2, HC11, MCAF, Monocyte Chemotactic and Activating Factor, MCP1, Monocyte Chemotactic Protein 1, Scya2, Small-inducible Cytokine A2, JE, Monocyte Secretory Protein JE, SMC-CF, Sigje
ACCESSION NO.:	NP_035463
PROTEIN GI NO.:	6755430

Background

CCL2, also called monocyte chemotactic protein-1 (MCP-1), is a member of the C-C or beta chemokine family that is best known as a chemotactic agent for mononuclear cells. Fibroblasts, glioma cells, smooth muscle cells, endothelial cells, lymphocytes and mononuclear phagocytes can produce CCL2 either constitutively or upon mitogenic stimulation, but monocytes and macrophages appear to be the major source. In addition to its chemotactic activity, CCL2 induces enzyme and cytokine release by monocytes, NK cells and lymphocytes, and histamine release by basophils that express its receptor CCR2. Additionally, it promotes Th2 polarization in CD4+ T cells. CCL2-mediated recruitment of monocytes to sites of inflammation is proposed to play a role in the pathology of atherosclerosis, multiple sclerosis and allergic asthma.

FOR RESEARCH USE ONLY

February 23, 2018