

CCL2, 24-148aa, Mouse His tag, E.coli

Cat.NO.: TP01457

3th Edition

Synonyms:C-C motif chemokine 2, AI323594, HC11, JE, MCAF, MCP-1, MCP1, Scya2, Sigje, SMC-CF

Description:Chemokine (C-C motif) ligand 2 (CCL2) is a small cytokine belonging to the CC chemokine family that is also known as monocyte chemotactic protein-1 (MCP-1). CCL2 recruits monocytes, memory T cells, and dendritic cells to sites of tissue injury and infection. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors CCR2 and CCR4. Recombinant mouse CCL2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In PBS (pH 7.4) containing 10% glycerol.

Molecular Weight:16 kDa (146aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMQPDAVNAPLTCCYSFTSKMIPMSRLESYKRITSSRCPKEAVVFVTKLKREVCAD
PKKEWVQTYIKNLDRNQMRSEPTTLFKTASALRSSAPLNVLTRKSEANASTTFSTTTSSTSVGVTSVTVN

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.