

Datasheet for ABIN7320482

CCL2 Protein (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	CCL2
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CCL2/MCP-1 Protein (His Tag)
Sequence:	Gln24-Asn148
Characteristics:	Recombinant Mouse C-C motif chemokine 2 is produced by our Mammalian expression system and the target gene encoding Gln24-Asn148 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CCL2
Alternative Name:	CCL2/MCP-1 (CCL2 Products)
Background:	Background: C-C motif chemokine 2 (CCL2) is a member of the C-C or β chemokine family. Mouse CCL2 shares 82 % amino acid (aa) identity with rat CCL2 over the entire sequence, and 58 %, 56 %, 55 %, 53 % and 53 % aa identity with human, equine, porcine, bovine and canine

Target Details

CCL2, respectively. 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.

Synonym: C-C motif chemokine 2, Monocyte chemoattractant protein 1, Monocyte chemotactic protein 1, MCP-1, Platelet-derived growth factor-inducible protein 1, Small-inducible cytokine A2, Ccl2, Je, Mcp1, Scya2

Molecular Weight: 14.7 kDa

UniProt: [P10148](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Immune Effector Process](#), [ER-Nucleus Signaling](#), [Unfolded Protein Response](#), [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

Application Details

Restrictions: For Research Use only

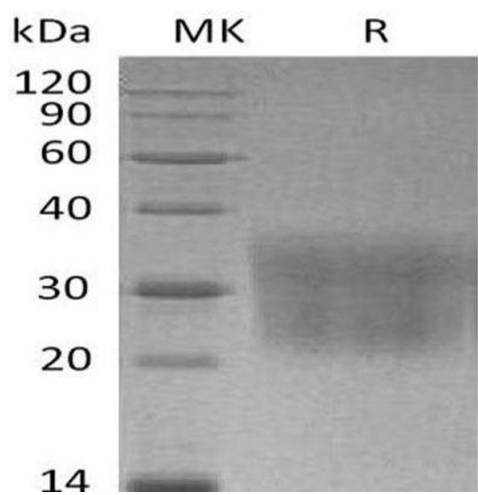
Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4 .

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.