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Datasheet for ABIN6699614 CCL2 Protein

2 Images



Overview

Quantity:	10 µg
Target:	CCL2
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Product Details	
Characteristics:	Immediate-early serum-responsive protein JE, Monocyte chemoattractant protein 1, MCAF, Monocyte chemotactic protein 1 (MCP-1), Small-inducible cytokine A2
Purification:	Monocyte Chemotactic protein-1 (CCL2) purity was determined to be greater than 98% as determined by analysis by UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-pAGE.
Endotoxin Level:	Low endotoxin
Target Details	
Target:	CCL2
Alternative Name:	CCL2 (CCL2 Products)
UniProt:	P14844
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

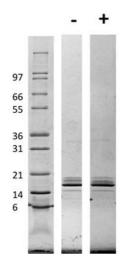
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6699614 | 01/12/2024 | Copyright antibodies-online. All rights reserved.

Application Details	
Application Notes:	Application Note: Monocyte Chemotactic Protein-1 Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Monocyte Chemotactic Protein-1 in immunological assays. Other Performance Data: Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein. Biologic Activity: The activity is determined by the ability to chemoattract human monocytes or THP-1 cells at 4 - 15 ng/mL.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 10 μL (10-100 μL) Reconstitution Buffer: Restore with deionized water (or equivalent)
Buffer:	Buffer: 0.1 % Trifluoroacetic acid
Preservative:	Without preservative

Expiry Date:

Images

Storage:



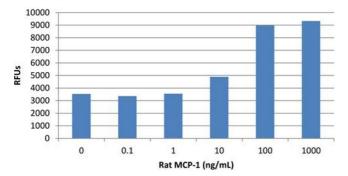
RT,4 °C,-20 °C

6 months

SDS-PAGE

Image 1. SDS-PAGE of Rat Monocyte Chemotactic Protein-1 (CCL2) Recombinant Protein SDS-PAGE of Rat Monocyte Chemotactic Protein-1 (CCL2) Recombinant Protein. Lane 1: Molecular weight marker. Lane 2: 1 μ g Rat MCP-1 in nonreducing conditions . Lane 3: 1 μ g Rat MCP-1 in reducing conditions (+). Rat MCP-1 has a predicted MW of 14.1 kDa.

Rat MCP-1 Induced Chemotaxis of THP-1 Cells



SDS-PAGE

Image 2. SDS-PAGE of Rat Monocyte Chemotactic Protein-1 (CCL2) Recombinant Protein Bioactivity of Rat Monocyte Chemotactic Protein-1 (CCL2) Recombinant Protein. Human THP-1 cells were allowed to migrate to Rat MCP-1 at (0, 0.1, 1, 10, 100 and 1000 ng/mL). After 45 minutes, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above. Significant increases in migration over basal levels were seen in response to Rat MCP-1 starting at 10 ng/mL. This value is comparable to expected ranges of a chemotactic response of primary human monocytes.