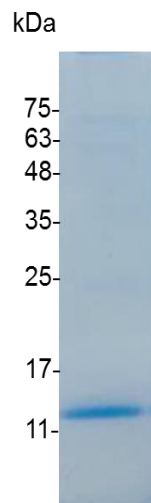


**CCL2 (C-C Motif Chemokine Ligand 2), Swine**

v. 231101

<b>Catalog number</b>	C03026-5UG / C03026-20UG / C03026-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	<p>CCL2, also known as MCP-1, is belonging to the CC β chemokine family. CCL2 can be identified in endothelial cells, smooth muscle cells and monocytes as the results of reaction to several atherogenic stimulants, such as CD40 ligand, (IL-1β) and oxidized low density lipoprotein, interleukin-1β platelet derived growth factor (PDGF). Recent study shows that in vivo MCP1 have several critical roles in atherosclerosis. Additionally, MCP-1 has been proved involving in monocytic infiltration of tissues during several inflammatory diseases, and has been implicated in macrophage-mediated tumor growth inhibition in mice. In addition, CCL2 has been shown to have direct effects on tumor cells in an autocrine and paracrine fashion in multiple cancers, including sarcoma, lung, cervix, ovary, breast, and prostate.</p>
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	QPDAINSPVTCCYTLTSSKISMQRRLMSYRRVTSSKCPKEAVIFKTIAGKEICAEP KQKWWQDSISHLDKKNQTPKP with polyhistidine tag at the N-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant swine CCL2

*For research use only.*