



Recombinant Canine CCL2/MCP-1 Protein (DAGC266)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | E. coli-derived canine CCL2/JE/MCP-1 protein Gln24 - Pro101 |
| Species | Canine |
| Purity | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain |
| Conjugate | unconjugated |
| Applications | SDS-PAGE, ELISA |
| Predicted N terminal | Gln24 |
| Molecular Weight | 8.8 kDa. (The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.) |
| Reconstitution | Reconstitute at 100 µg/mL in sterile PBS. |
| Bio-activity | Measured by its ability to chemoattract BaF3 mouse pro-B cells transfected with human CCR2A. The ED50 for this effect is 0.03-0.15 µg/mL. |
| Endotoxin | <0.10 EU per 1 µg of the protein by the LAL method. |
| Format | Lyophilized |
| Size | 25 µg |
| Buffer | Lyophilized from a 0.2 µm filtered solution in PBS. |
| Preservative | None |

Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction

Monocyte chemoattractant protein 1 (MCP-1), also called CCL2, belongs to a group of CC chemokines located in chromosome 17q11.2. MCP-1 protein interacts with chemokine C-C motif receptor 2 (CCR2) to activate and recruit monocytes, macrophages, CD4+ T cells and immature dendritic cells to the site of infection. The presence of MCP-1 protein in an adequate concentration is important for granuloma formation and M. tuberculosis clearance.

Keywords

CCL2; MCP1; MCP-1; Canine CCL2; Canine MCP-1; Canine MCP
