Datasheet for ABIN2018242

# CCL22 Protein

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## Overview

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| Quantity: | 10 µg |
| Target: | CCL22 |
| Origin: | Rat |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Biological Activity: | Active |

## Product Details

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| Sequence: | GPYGANVEDS ICCQDYIRHP LPPRFVKEFY WTSKSCRKPG VVLITIKNRD ICADPRMLWV KKILHKLA |
| Characteristics: | Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 10-100 ng/mL. |
| Purity: | > 96 % by SDS-PAGE and HPLC analyses. |
| Sterility: | 0.2 µm filtered |
| Endotoxin Level: | < 1 EU/µg of rRtMDC/CCL22 as determined by LAL method. |

## Target Details

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| Target: | CCL22 |
| Alternative Name: | MDC/CCL22 (CCL22 Products) |
| Background: | Macrophage-Derived Chemokine/CCL22 (MDC) is a CC chemokine that is produced in B cells, macrophages, monocyte-derived dendritic cells, activated NK cells and CD4 T cells. It signals |

## Target Details

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| | through the CCR4 receptor. MDC chemoattracts monocytes, dendritic cells and NK cells and exerts HIV suppressive activity.<br>Synonyms: C-C motif chemokine 22, Small-inducible cytokine A22, Macrophage-derived chemokine, MDC(1-69), Stimulated T-cell chemotactic protein 1, CC chemokine STCP-1, CCL22, MDC, SCYA22, ABCD-1, DC/B-CK, MGC34554, A-152E5.1, CC chemokine ABCD-1, Activated B and dendritic cell-derived, DCBCK. |
| Molecular Weight: | 7.9 kDa, a single, non-glycosylated polypeptide chain containing 68 amino acids. |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions. |
| Buffer: | Lyophilized from a 0.2 μm filtered concentrated solution in 2 x PBS, pH 7.4. |
| Handling Advice: | Avoid repeated freeze/thaw cycles. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. |