

## CCL22

### Recombinant Mouse CCL22/MDC

<b>Catalog No.</b>	CRM102A CRM102B CRM102C	<b>Quantity:</b>	5 µg 20 µg 1.0 mg
<b>Alternate Names:</b>	DCBCK, ABCD-1, Scya22,		
<b>Description:</b>	Recombinant Mouse CCL22/MDC is a single, non-glycosylated polypeptide chain containing 68 amino acids.		
<b>Gene ID:</b>	20299		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	7.8 kDa		
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated (0.5 mg/ml) solution containing 20 mM PBS, pH 7.4, + 150 mM NaCl. No preservatives and carrier-free.		
<b>Purity:</b>	>97% by SDS-PAGE and HPLC analyses.		
<b>Endotoxin Level:</b>	< 0.1 ng/µg of protein.		
<b>Biological Activity:</b>	Fully biologically active when compared to standard. Determined by its ability to chemoattract human activated lymphocytes using a concentration range of 10.0-100.0 ng/ml.		
<b>Amino Acid Sequence:</b>	GPYGANVEDS ICCQDYIRHP LPSRLVKEFF WTSKSCRKPG VVLITVKNRD ICADPRQVWV KLLHKLS		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> 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 divided into working aliquots and stored at -80°C. Further dilutions should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	This lyophilized preparation is stable for several weeks at 2-4°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 2-4°C. For maximal stability, divide the reconstituted preparation into working aliquots and store at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		
<b>Background:</b>	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 through the CCR4 receptor. MDC chemoattracts monocytes, dendritic cells and NK cells and exerts HIV suppressive activity.		

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