

For Research Use Only

# FcZero-rAb® Biotin Anti-Human CCL22/MDC Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98280



## Basic Information

<b>Catalog Number:</b> Biotin-FcA98280	<b>GenBank Accession Number:</b> BC027952	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , 500 ug/ml	<b>GeneID (NCBI):</b> 6367	<b>CloneNo.:</b> 241668D5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O00626	<b>Recommended Dilutions:</b> FC (Intra): 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> chemokine (C-C motif) ligand 22	<b>Excitation/Emission maxima wavelengths:</b> -
<b>Immunogen Catalog Number:</b> EG1974	<b>Calculated MW:</b> 93 aa, 11 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), ELISA	<b>Positive Controls:</b> FC (Intra) : human monocyte-derived mature dendritic cells,
<b>Species Specificity:</b> human	

## Background Information

CCL22, also known as macrophage-derived chemokine (MDC), is a member of the CC chemokine family. It is primarily produced by myeloid cells such as macrophages and dendritic cells (DCs) under steady-state conditions. CCL22 plays a significant role in immune responses by regulating the migration of different subsets of leukocytes. It shares the same receptor, CCR4, which is predominantly expressed by Th2 cells, making CCL22 a key mediator in the development of Th2-dominant diseases such as atopic dermatitis and asthma. Elevated serum levels of CCL22 are observed in patients with these conditions. CCL22 is also expressed in several types of tumor cells and Foxp3+ regulatory T cells (Tregs), suggesting its involvement in attracting Tregs into the tumor microenvironment to evade immune attacks.

## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

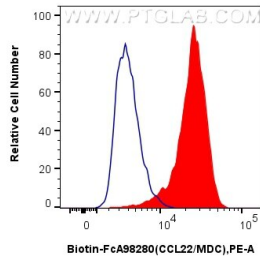
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> human monocyte-derived mature dendritic cells were intracellularly stained with 0.25 ug Biotin Anti-Human CCL22/MDC Rabbit RecAb (Biotin-FcA98280, Clone: 241668D5) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).