



Recombinant Protein Technical Manual  
Recombinant Human CCL22/MDC Protein (His Tag)  
RPES1202

Product Data:

**Product SKU:** RPES1202

**Size:** 20µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** O00626

Protein Information:

**Molecular Mass:** 9.7 kDa

**AP Molecular Mass:** 10 kDa

**Tag:** N-His

**Bio-activity:**

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin:** Please contact us for more information.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile 30% Acetonitrile, 0.1% TFA

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** A52E5.1;ABCD;DC/B-CK;MDC;SCYA22;STCP

## Immunogen Information:

**Sequence:** Gly 25-Gln 93

## Background:

Chemokine (C-C motif) ligand 22(ABCD / CCL22) is a kind of CC chemokine which is a family of secreted proteins involved in immunoregulatory and inflammatory processes. The cytokine displays chemotactic activity for monocytes, dendritic cells, natural killer cells and for chronically activated T lymphocytes. It also displays a mild activity for primary activated T lymphocytes and has no chemoattractant activity for neutrophils, eosinophils and resting T lymphocytes. This ABCD / CCL22 chemokine binds to chemokine receptor CCR4. This chemokine may play a role in the trafficking of activated / effector T lymphocytes to inflammatory sites and other aspects of activated T-lymphocyte physiology. ABCD / CCL22 is highly expressed in macrophage and in monocyte-derived dendritic cells, and thymus, and in Langerhans' cell histiocytosis and atopic dermatitis but not in dermatopathic lymphadenopathy. This chemokine is also found in lymph node, appendix, activated monocytes, resting and activated macrophages. This protein is lower expressed in lung and spleen and very weakly expressed in small intestine.