

Anti-CCL18/PARC Antibody
Catalog # ABO11747**Specification**

Anti-CCL18/PARC Antibody - Product Information

Application	WB, E
Primary Accession	P55774
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for C-C motif chemokine 18(CCL18) detection. Tested with WB, ELISA in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CCL18/PARC Antibody - Additional Information

Gene ID 6362

Other Names

C-C motif chemokine 18, Alternative macrophage activation-associated CC chemokine 1, AMAC-1, CC chemokine PARC, Dendritic cell chemokine 1, DC-CK1, Macrophage inflammatory protein 4, MIP-4, Pulmonary and activation-regulated chemokine, Small-inducible cytokine A18, CCL18(1-68), CCL18(3-69), CCL18(4-69), CCL18, AMAC1, DCCK1, MIP4, PARC, SCYA18

Calculated MW

9849 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, -
ELISA , 0.1-0.5 µg/ml, Human

Subcellular Localization

Secreted.

Tissue Specificity

Expressed at high levels in lung, lymph nodes, placenta, bone marrow, dendritic cells present in germinal centers and T-cell areas of secondary lymphoid organs and macrophages derived from peripheral blood monocytes. Not expressed by peripheral blood monocytes and a monocyte-to-macrophage differentiation is a prerequisite for expression. Expressed in synovial fluids from patients with rheumatoid and septic arthritis and in ovarian carcinoma ascitic fluid. .

Protein Name

C-C motif chemokine 18

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

E.coli-derived human CCL18 recombinant protein (Position: A21-A89).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the intercrine beta (chemokine CC) family.

Anti-CCL18/PARC Antibody - Protein Information

Name CCL18

Synonyms AMAC1, DCCK1, MIP4, PARC, SCYA18

Function

Chemotactic factor that attracts lymphocytes but not monocytes or granulocytes. May be involved in B-cell migration into B- cell follicles in lymph nodes. Attracts naive T-lymphocytes toward dendritic cells and activated macrophages in lymph nodes, has chemotactic activity for naive T-cells, CD4+ and CD8+ T-cells and thus may play a role in both humoral and cell-mediated immunity responses.

Cellular Location

Secreted.

Tissue Location

Expressed at high levels in lung, lymph nodes, placenta, bone marrow, dendritic cells present in germinal centers and T-cell areas of secondary lymphoid organs and macrophages derived from peripheral blood monocytes. Not expressed by peripheral blood monocytes and a monocyte-to-macrophage differentiation is a prerequisite for expression. Expressed in synovial fluids from patients with rheumatoid and septic arthritis and in ovarian carcinoma ascitic fluid

Anti-CCL18/PARC Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CCL18/PARC Antibody - Images



Anti-CCL18 Picoband antibody, ABO11747-1.jpg All lanes: Anti-CCL18 (ABO11747) at 0.5ug/ml WB: Recombinant Human CCL18 Protein 0.5ng Predicted bind size: 19KD Observed bind size: 19KD

Anti-CCL18/PARC Antibody - Background

Macrophage Inflammatory Protein 4, also known as CCL18, is a small cytokine belonging to the CC chemokine family that was previously called PARC (pulmonary and activation-regulated chemokine). CCL18 is approximately 60% identical in amino acid sequence to CCL3. By analysis of a previously mapped CCL18 from 17q11.2, it is determined that the PARC gene is located within 1 of the 2 clusters of CC chemokine genes in this region. It is expressed at high levels in lung and at lower levels in certain lymphoid tissues, such as the lymph nodes, and is chemotactic for activated T cells and nonactivated lymphocytes. Besides, CCL18 recruits Th2 cells and basophils and may play a predominant role in allergic asthma.