



CCL18 Polyclonal Antibody

Catalog No	YP-Ab-10906
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC; ELISA
Gene Name	CCL18 AMAC1 DCCK1 MIP4 PARC SCYA18
Immunogen	Synthesized peptide derived from human CCL18 AA range: 1-80
Specificity	This antibody detects endogenous levels of human CCL18
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:50-200, ELISA(peptide)1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CCL18;MIP 4;MIP-4;CCL 18;C-C motif chemokine 18;CCL18 AMAC1 DCCK1 MIP4 PARC SCYA18;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;Pulmonary and activation-regulated chemokine;Small-inducible cytokine A18) [Cleaved into: CCL18(1-68);CCL18(3-69);CCL18(4-69)]
Observed Band	
Calculated Molecular Weight	
Cell Pathway	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.
Function	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.,induction:Specifically induced in macrophages by IL-4, IL-13, and IL-10. Expression is inhibited by IFN-gamma while glucocorticoids exert a slightly positive synergistic effect in combination with IL-4. Strongly induced in several human cell lines, including monocytic U937 cells, by phorbol myristate acetate (PMA). Induced in PBMC by staphylococcal enterotoxins SEA and SEB., mass spectrometry: PubMed:11745396,online information:CCL18 entry, similarity:Belongs to the intercrine beta (chemokine CC

Background

This antimicrobial gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for naive T cells, CD4+ and CD8+ T cells and nonactivated lymphocytes, but not for monocytes or granulocytes. This chemokine attracts naive T lymphocytes toward dendritic cells and activated macrophages in lymph nodes. It may play a role in both humoral and cell-mediated immunity responses. [provided by RefSeq, Sep 2014],

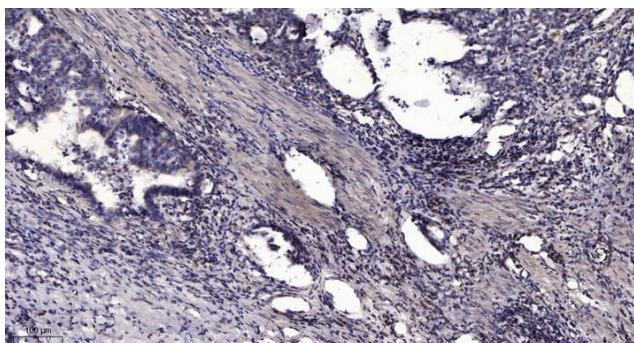
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).