

Anti-CCL13/MCP4 Antibody

Catalog # ABO11754

#### Specification

# Anti-CCL13/MCP4 Antibody - Product Information

ApplicationWB, EPrimary AccessionQ99616HostRabbitReactivityHumanClonalityPolyclonalFormatLyophilizedDescriptionRabbit IgG polyclonal antibody for C-C motif chemokine 13(CCL13) detection. Tested with WB, ELISA in Human.

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

# Anti-CCL13/MCP4 Antibody - Additional Information

Gene ID 6357

**Other Names** 

C-C motif chemokine 13, CK-beta-10, Monocyte chemoattractant protein 4, Monocyte chemotactic protein 4, MCP-4, NCC-1, Small-inducible cytokine A13, C-C motif chemokine 13, long chain, C-C motif chemokine 13, medium chain, C-C motif chemokine 13, short chain, CCL13, MCP4, NCC1, SCYA13

Calculated MW 10986 MW KDa

**Application Details** Western blot, 0.1-0.5 μg/ml, Human, -<br>ELISA , 0.1-0.5 μg/ml, Human<br>

Subcellular Localization Secreted.

**Tissue Specificity** Widely expressed. Found in small intestine, thymus, colon, lung, trachea, stomach and lymph node. Low levels seen in the pulmonary artery smooth muscle cells.

**Protein Name** C-C motif chemokine 13

**Contents** Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen E.coli-derived human MCP4 recombinant protein (Position: Q24-T98).



**Purification** Immunogen affinity purified.

**Cross Reactivity** No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, 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-CCL13/MCP4 Antibody - Protein Information

Name CCL13

Synonyms MCP4, NCC1, SCYA13

Function

Chemotactic factor that attracts monocytes, lymphocytes, basophils and eosinophils, but not neutrophils. Signals through CCR2B and CCR3 receptors. Plays a role in the accumulation of leukocytes at both sides of allergic and non-allergic inflammation. May be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosis. May play a role in the monocyte attraction in tissues chronically exposed to exogenous pathogens.

**Cellular Location** Secreted.

**Tissue Location** Widely expressed. Found in small intestine, thymus, colon, lung, trachea, stomach and lymph node. Low levels seen in the pulmonary artery smooth muscle cells

#### Anti-CCL13/MCP4 Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- <u>Dot Blot</u>
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-CCL13/MCP4 Antibody - Images





Anti-MCP4 Picoband antibody, ABO11754-1.jpgAll lanes: Anti-MCP4(ABO11754) at 0.5ug/mlWB: Recombinant Human MCP4 Protein 0.5ngPredicted bind size: 34KDObserved bind size: 34KD

#### Anti-CCL13/MCP4 Antibody - Background

Chemokine (C-C motif) ligand 13 (CCL13) is a small cytokine belonging to the CC chemokine family. Its gene is located on human chromosome 17 within a large cluster of other CC chemokines. CCL13 induces chemotaxis in monocytes, eosinophils, T lymphocytes, and basophils by binding cell surface G-protein linked chemokine receptors such as CCR2, CCR3 and CCR5. Activity of this chemokine has been implicated in allergic reactions such as asthma. CCL13 can be induced by the inflammatory cytokines interleukin-1 and TNF-alpha.