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## Datasheet for ABIN116179 **anti-CCL18 antibody**

### Overview

|              |  |
|--------------|--|
| Quantity:    | 50 µg  |
| Target:      | CCL18  |
| Reactivity:  | Human  |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This CCL18 antibody is un-conjugated                                       |
| Application: | Western Blotting (WB), Enzyme Immunoassay (EIA), Functional Studies (Func) |

### Product Details

|               |   |
|---------------|---|
| Immunogen:    | Highly pure (>98%) E.coli derived recombinant Human MIP-4       |
| Specificity:  | Specific for Human Macrophage Inflammatory Protein-4 (MIP-4).   |
| Purification: | Affinity Chromatography using an immobilized Human MIP-4 matrix |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | CCL18  |
| Alternative Name: | MIP4 / CCL18 ( <a href="#">CCL18 Products</a> )  |
| Background:       | This chemotactic factor that attracts lymphocytes but not monocytes or granulocytes may be involved in B cell migration into B cell follicles in lymph nodes. It 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. It is expressed at high levels in lung, lymph nodes, placenta, and |

## Target Details

bone marrow, not expressed by peripheral blood monocytes, and a monocyte-to-macrophage differentiation is a prerequisite for expression. Specifically induced in macrophages by IL4, IL13, and IL10, it belongs to the intercrine beta (chemokine CC) family. Synonyms: AMAC1, Alternative macrophage activation-associated CC chemokine 1, C-C motif chemokine 18, CC chemokine PARC, DCCCK1, Dendritic cell chemokine 1, MIP-4, Macrophage inflammatory protein 4, PARC, Pulmonary and activation-regulated chemokine, SCYA18, Small-inducible cytokine A18

Gene ID: 6362

NCBI Accession: [NP\\_002979](#)

UniProt: [P55774](#)

## Application Details

**Application Notes:** Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of hMIP-4 (100.0 ng/mL), a concentration of 8.0-10.0 µg/mL of this antibody is required. ELISA: (Indirect): To detect hMIP-4 by indirect ELISA (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hMIP-4. (Sandwich): To detect hMIP-4 by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human MIP-4 (PP1054B) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hMIP-4. Western Blot: To detect hMIP-4 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hMIP-4 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Restrictions: For Research Use only

## Handling

Reconstitution: Restore in sterile water to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS, pH 7.2 without preservatives

Preservative: Without preservative

Handling Advice: Avoid repeated freezing and thawing. Centrifuge vial prior to opening!

Storage: 4 °C/-20 °C

## Handling

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Storage Comment: Store the antibody prior to reconstitution at -20 °C. Following reconstitution the antibody can be stored at 2-8 °C for one month or at -20 °C for longer.