

Datasheet for ABIN116167

**anti-CCL4 antibody****1** Publication[Go to Product page](#)

## Overview

|              |                                                                                                                                         |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 50 µg                                                                                                                                   |
| Target:      | CCL4                                                                                                                                    |
| Reactivity:  | Human                                                                                                                                   |
| Host:        | Rabbit                                                                                                                                  |
| Clonality:   | Polyclonal                                                                                                                              |
| Conjugate:   | This CCL4 antibody is un-conjugated                                                                                                     |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA), Functional Studies (Func) |

## Product Details

|               |                                                                                             |
|---------------|---------------------------------------------------------------------------------------------|
| Immunogen:    | Highly pure (>98%) E.coli derived recombinant Human MIP-1 beta (Cat.-No PA107)              |
| Specificity:  | Recognizes Human Macrophage Inflammatory Protein-1 beta (MIP-1b). Other species not tested. |
| Purification: | Affinity Chromatography employing immobilized Human MIP-1beta matrix.                       |

## Target Details

|                   |                                                                                                                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CCL4                                                                                                                                                                                                                                                                       |
| Alternative Name: | MIP1 beta / CCL4 ( <a href="#">CCL4 Products</a> )                                                                                                                                                                                                                         |
| Background:       | MIP1 alpha and MIP1 beta were originally co-purified from medium conditioned by an LPS-stimulated murine macrophage cell line. Human MIP1 beta refers to the products of several independently cloned cDNAs, including Act2, PAT 744, hH400, G26, HIMAP, HC21, and MAD 5a. |

## Target Details

The predicted protein products of these cDNAs represent variants that are between 94 % - 98 % identical and these proteins are all approximately 75 % homologous to murine MIP1 beta. MIP1 beta also shares approximately 70 % amino acid identity with MIP1 alpha. MIP1 proteins are expressed primarily in T cells, B cells, and monocytes after antigen or mitogen stimulation. The MIP1 proteins have chemoattractant and adhesive effects on lymphocytes, with MIP1 alpha and MIP1 beta preferentially attracting CD8+ and CD4+ T cells, respectively. A signal transducing receptor designated the CC chemokine receptor 1 (CC CKR1) with seven transmembrane domains that binds MIP1 alpha, MIP1 beta, MCP1 and RANTES with varying affinities has been isolated. Synonyms: CCL-4, G-26 T-lymphocyte-secreted protein, HC21, LAG1, Lymphocyte activation gene 1 protein, MIP-1-beta, MIP1B, Macrophage inflammatory protein 1-beta, PAT744, Protein H400, SCYA4, SIS-gamma, Small-inducible cytokine A4, T-cell activation protein 2

Gene ID: 388372

NCBI Accession: [NP\\_001001435](#)

UniProt: [P13236](#)

## Application Details

**Application Notes:** Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of hMIP-1 beta (50.00 ng/mL), a concentration of 1.75-3.00 µg/mL of this antibody is required. ELISA: To detect hMIP-1 beta by direct ELISA (using 100l/well antibody solution) a concentration of at least 0.5 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant hMIP-1 beta. Western Blot: To detect hMIP-1 beta 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-1 beta is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Other applications not tested.

Optimal dilutions are dependent on conditions and should be determined by the user.

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

## Handling

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|                  |                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------|
| Preservative:    | Without preservative                                                                            |
| Handling Advice: | Avoid repeated freezing and thawing. Centrifuge vial prior to opening!                          |
| Storage:         | 4 °C/-20 °C                                                                                     |
| Storage Comment: | Prior to reconstitution store at 2-8 °C. Following reconstitution store the antibody at -20 °C. |

## Publications

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| Product cited in: | Schlaepfer, Audigé, Joller, Speck: "TLR7/8 triggering exerts opposing effects in acute versus latent HIV infection." in: <b>Journal of immunology (Baltimore, Md. : 1950)</b> , Vol. 176, Issue 5, pp. 2888-95, (2006) ( <a href="#">PubMed</a> ). |
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