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# CCL4 Rabbit pAb

Catalog # AP98536

## Product Information

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| **Application** | IHC-P, IHC-F, IF |
| **Primary Accession** | P14097 |
| **Other Accession** | P14097 |
| **Predicted** | Rat, Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 10168 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from mouse CCL4 |
| **Epitope Specificity** | 26-92/92 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Belongs to the intercrine beta (chemokine CC) family. |
| **SUBUNIT** | Homodimer and heterodimer of MIP-1-alpha(4-69) and MIP-1-beta(3-69). |
| **Post-translational modifications** | N-terminal processed form MIP-1-beta(3-69) is produced by proteolytic cleavage after secretion from peripheral blood lymphocytes. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | 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. 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. |

## Additional Information

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| **Gene ID** | 20303 |
| **Other Names** | ACT2; AT744.1; G-26; HC21; LAG-1; LAG1; MIP-1-beta; MIP1B; MIP1B1; SCYA2; SCYA4; AT744.2; CCL4L; SCYA4L; SCYQ4L2; Act-2; MIP-1B; Mip1-b; CCL4_HUMAN; CCL4; G-26 T-lymphocyte-secreted protein; Lymphocyte activation gene 1 protein (LAG-1); MIP-1-beta(1-69); Macrophage |

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| | inflammatory protein 1-beta (MIP-1-beta); PAT 744; Protein H400; SIS-gamma; Small-inducible cytokine A4; T-cell activation protein 2 (ACT-2); CC4L_HUMAN; CCL4L1; CCL4L2; Monocyte adherence-induced protein 5-alpha; Small-inducible cytokine A4-like; SCYA4L1; SCYA4L2; CCL4_MOUSE; Immune activation protein 2 (ACT-2 \| ACT2); CCL4_RAT; C-C motif chemokine ligand 4; small inducible cytokine A4 (homologous to mouse Mip-1b); chemokine (C-C motif) ligand 4 |
| **Dilution** | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| **Name** | Ccl4 |
| **Synonyms** | Mip1b, Scya4 |
| **Function** | Monokine with inflammatory and chemokinetic properties. |
| **Cellular Location** | Secreted. |

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