

Product datasheet for PP1054P1

Macrophage Inflammatory Protein 4 (CCL18) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	<p>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.</p> <p>Indirect ELISA: 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.</p> <p>Sandwich ELISA: 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 (<i>cat.-No</i> PP1054B1 or PP1054B2) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant hMIP-4.</p> <p>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.</p>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli derived recombinant Human MIP-4
Specificity:	Specific for Human Macrophage Inflammatory Protein-4 (MIP-4).
Formulation:	<p>PBS, pH 7.2 without preservatives</p> <p>State: Aff - Purified</p> <p>State: Lyophilized (sterile filtered) purified Ig fraction</p>
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography using an immobilized Human MIP-4 matrix
Conjugation:	Unconjugated



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Storage:	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. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	C-C motif chemokine ligand 18
Database Link:	Entrez Gene 6362 Human P55774
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 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:	C-C motif chemokine 18, AMAC1, DCCK1, MIP-4, PARC, Small-inducible cytokine A18, SCYA18
Note:	Centrifuge vial prior to opening!