

Product datasheet for **PP1051B1**

CCL4L1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Direct ELISA: To detect hMIP-1 beta by direct ELISA (using 100 µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Human MIP-1β. Sandwich ELISA: To detect Human MIP-1β by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with Polyclonal Anti-Human MIP-1β as a capture antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human MIP-1β. 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.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli-derived, 7.6 kDa recombinant Human MIP-1 beta (hMIP-1 beta) Cat.-No PA107
Specificity:	Human Macrophage Inflammatory Protein-1 beta (hMIP-1b).
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized, sterile filtered purified Ig fraction
Reconstitution Method:	Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography
Conjugation:	Biotin
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
Gene Name:	C-C motif chemokine ligand 4 like 1
Database Link:	Entrez Gene 388372 Human Q8NHW4
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. 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, MIP-1-beta, LAG1, MIP1B, SCYA4, Small-inducible cytokine A4, PAT744, Protein H400, SIS-gamma, HC21
Note:	Centrifuge vial prior to opening!