

## Product datasheet for **AP01132PU-S**

### Ccl4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Sandwich ELISA:</b> To detect mMIP-1 $\beta$ by sandwich ELISA (using 100 $\mu$ l/well antibody solution) a concentration of 0.5 - 2.0 $\mu$ g/ml of this antibody is required. In conjunction with Biotinylated Anti-Murine MIP-1 $\beta$ ( AP01132BT-N) as a detection antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant mMIP-1 $\beta$ . <b>Western Blot:</b> To detect mMIP-1 $\beta$ by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 $\mu$ g/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant mMIP-1 $\beta$ is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98 %) recombinant murine MIP-1 $\beta$ (7.8 kDa), E.coli derived
Specificity:	This antibody detects Macrophage Inflammatory Protein-1 beta.
Formulation:	PBS, pH 7.2 State: Aff - Purified State: Sterile filtered lyophilized Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2 - 8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	chemokine (C-C motif) ligand 4
Database Link:	<a href="#">Entrez Gene 20303 Mouse P14097</a>



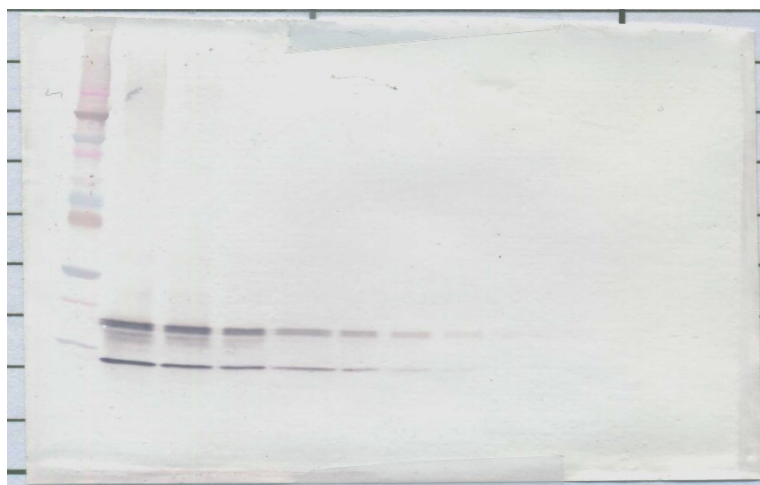
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**Background:**

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:**

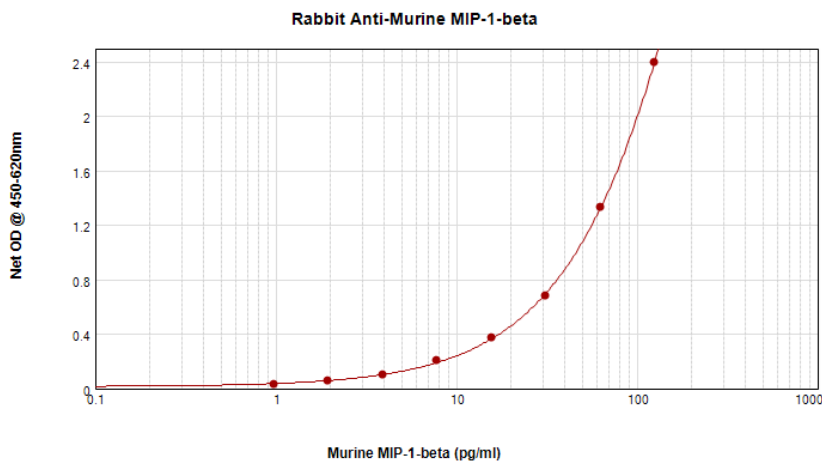
CCL-4, MIP-1-beta, LAG1, MIP1B, SCYA4, Small-inducible cytokine A4, PAT744, Protein H400, SIS-gamma, HC21

**Product images:**

Anti-Murine MIP-1 $\beta$  (CCL4) Western Blot, reducing conditions.



Anti-Murine MIP-1 $\beta$  (CCL4) Western Blot, un-reducing conditions.



Anti-Murine MIP-1 $\beta$  (CCL4) Sandwich ELISA