

## Product datasheet for **PP017B2**

### Ccl3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<u>ELISA:</u> To detect mMIP-1-alpha by direct ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of 0.15-0.30 µg/ml. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2 ng/well of recombinant mMIP-1-alpha. <u>Western Blot:</u> To detect mMIP-1-alpha 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 mMIP-1-alpha 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 mMIP-1-alpha.
Specificity:	Recognises Murine MIP-1-Alpha
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized purified Ig fraction. Label: conjugated
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 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:	chemokine (C-C motif) ligand 3



[View online »](#)

**Database Link:** [Entrez Gene 20302 Mouse P10855](#)

**Background:** Macrophage Inflammatory Protein 1 alpha (MIP1 alpha) and MIP1 beta, two closely related but distinct proteins, were originally co-purified from medium conditioned by a LPS-stimulated murine macrophage cell line. Mature mouse MIP1 alpha shares approximately 77% and 70% amino acid identity with human MIP1 alpha and mouse MIP1 beta, respectively. MIP1 proteins are expressed primarily in T cells, B cells, and monocytes after antigen or mitogen stimulation. Has adhesive effects on lymphocytes. MIP1 alpha can inhibit the proliferation of hematopoietic stem cells in vitro as well as in vivo. A signal transducing receptor, designated the C-C chemokine receptor-1 (C-C CKR-1) with seven transmembrane domains that bind MIP1 alpha, MIP1 beta, MCP1 and RANTES with varying affinities, has been isolated.

**Synonyms:** CCL-3, MIP-1-alpha, C-C motif chemokine 3, MIP1A, Small-inducible cytokine A3, SCYA3, LD78 alpha, G0S19-1 protein

**Note:** Centrifuge vial prior to opening!