



20150116ML

# Anti-Mouse CCL-3 (#5F17)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>103-M333</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of CCL-3.

## Target Background

<b>Synonyms (Target):</b>	Ccl3; Mip1a; Scya3; G0S19-1; AI323804; MIP1-(a); LD78alpha; MIP-1alpha; MIP1-alpha
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The macrophage inflammatory proteins 1 $\alpha$  (or CCL3) and 1 $\beta$ , 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. The MIP1 proteins are members of the  $\beta$  (CC) subfamily of chemokines. Both MIP1 $\alpha$  and MIP1 $\beta$  are monocyte chemoattractants in vitro. Additionally, the MIP1 proteins have been reported to have chemoattractant and adhesive effects on lymphocytes, with MIP1 $\alpha$  and MIP1 $\beta$  preferentially attracting CD8<sup>+</sup> and CD4<sup>+</sup> T cells, respectively. MIP1 $\alpha$  has also been shown to attract B cells as well as eosinophils. MIP1 proteins have been reported to have multiple effects on hematopoietic precursor cells and MIP1 $\alpha$  has been identified as a stem cell inhibitory factor that can inhibit the proliferation of hematopoietic stem cells in vitro as well as in vivo. In the same assays, MIP1 $\beta$  was reported to be much less active. The functional receptor for MIP1 $\alpha$  has been identified as CCR1 and CCR5.

## Database References Target

<b>Protein RefSeq:</b>	NP_035467.1
<b>Uniprot ID:</b>	P10855
<b>mRNA RefSeq:</b>	NM_011337.2

## Product Specifications

<b>Host</b>	Rat
<b>Reactivity against</b>	Mouse
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#5F17)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G/A chromatography
<b>Antigen</b>	recombinant mouse CCL-3
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody detects mouse CCL-3 in Western blotting, with weaker cross reaction to MIP-1 beta.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB, N

**Recommended usage:**

**WB:** 1:500-1000

**Neutralization:** Yes

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**