

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CCL4/MIP-1 $\beta$ in ELISAs and Western blots. In Western blots, less than 4% cross-reactivity with recombinant human (rh) CCL3/MIP-1 $\alpha$ and no cross-reactivity with recombinant mouse (rm) CCL3/MIP-1 $\alpha$ , rmCCL4/MIP-1 $\beta$ , rhCXCL8/IL-8, rhCCL5, rhCXCL1, rhCXCL2, or rhCXCL3 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 24006
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human CCL4/MIP-1 $\beta$ Ala24-Asn92 Accession # P13236
<b>Conjugate</b>	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 $\mu$ g/10 <sup>6</sup> cells	Human peripheral blood monocytes treated with LPS and Monensin were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005)

#### PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

#### BACKGROUND

CCL4, also known as Macrophage Inflammatory Protein 1 beta (MIP-1 $\beta$ ) is a member of the CC or beta chemokine subfamily. CCL4 is expressed primarily by T cells, B cells, and monocytes after antigen or mitogen stimulation. The functional receptor for CCL4 has been identified as CCR5. Mature human CCL4 shares 77% and 80% aa sequence identity with mouse and rat CCL4, respectively.

#### PRODUCT SPECIFIC NOTICES

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