

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CCL4/MIP-1 β in ELISAs and Western blots. In Western blots, less than 4% cross-reactivity with recombinant human (rh) CCL3/MIP-1 α and no cross-reactivity with recombinant mouse (rm) CCL3/MIP-1 α , rmCCL4/MIP-1 β , rhCXCL8/IL-8, rhCCL5, rhCXCL1, rhCXCL2, or rhCXCL3 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 24006
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human CCL4/MIP-1 β Ala24-Asn92 Accession # P13236
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	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
Intracellular Staining by Flow Cytometry	0.25-1 μ g/10 ⁶ 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 β) 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.

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