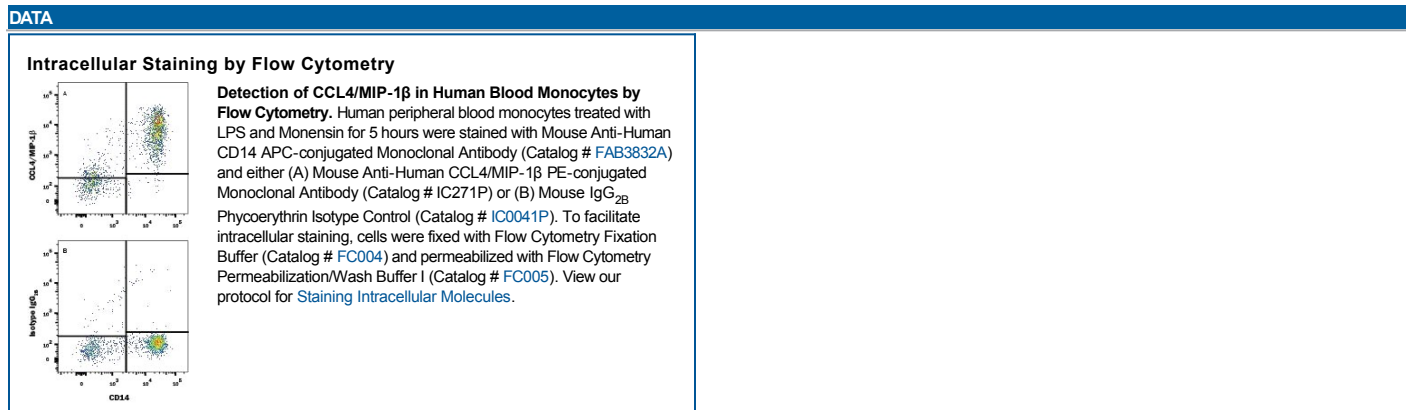


DESCRIPTION	
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CCL4/MIP-1 $\beta$ in ELISAs and Western blots. In Western blots, this antibody shows less than 4% cross-reactivity with recombinant human (rh) CCL3/MIP-1 $\alpha$ and does not cross-react with recombinant mouse (rm) CCL3/MIP-1 $\alpha$ , rmCCL4/MIP-1 $\beta$ , rhCXCL8/IL-8, rhCCL5, rhCXCL1, rhCXCL2, or rhCXCL3.
<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>	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
<b>Formulation</b>	Supplied 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		
<b>Please Note:</b> Optimal dilutions should be determined by each laboratory for each application. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.		
	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Intracellular Staining by Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below



PREPARATION AND STORAGE	
<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

**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.