

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CXCL8/IL-8 in ELISAs and Western blots. In Western blots, this antibody shows 100% cross-reactivity with recombinant porcine CXCL8/IL-8 and no cross-reactivity with rrCXCL3/CINC-2α.
Source	Monoclonal Mouse IgG ₁ Clone # 6217
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human CXCL8/IL-8 Ser28-Ser99 Accession # P10145
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	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.

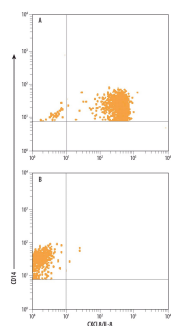
APPLICATIONS

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	10 μL/10 ⁶ cells	See Below

DATA

Intracellular Staining by Flow Cytometry



Detection of CXCL8/IL-8 in Human Blood Monocytes by Flow Cytometry. Human peripheral blood monocytes treated with LPS were stained with Mouse Anti-Human CXCL8/IL-8 PE-conjugated Monoclonal Antibody (Catalog # IC208P) and Anti-Human CD14 Fluorescein-conjugated Antibody (panel A). Inhibition of IC208P staining by the addition of excess Recombinant Human IL-8 (Catalog # 208-IL) is shown in panel B. Quadrant markers were set based on control antibody staining (Catalog # IC002G). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for [Staining Intracellular Molecules](#).

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

CXCL8, also known as IL-8, is a CXC chemokine that is a potent chemoattractant for neutrophils and has a wide range of other pro-inflammatory effects.