



Monoclonal Mouse IgG₁ Clone # 6217

Catalog Number: MAB208

R&D S	ystems	
Tools for Cell Biology Research™		

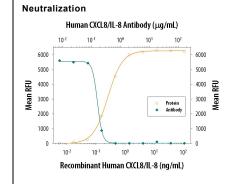
Human	
Detects human CXCL8/IL-8 in ELISAs and Western blots. In Western blots, this antibody shows 100% cross-reactivity with recombinant porcine CXCL8/IL-8 and no cross-reactivity with rrCXCL3/CINC-2α.	
Monoclonal Mouse IgG ₁ Clone # 6217	
Protein A or G purified from hybridoma culture supernatant	
E. coli-derived recombinant human CXCL8/IL-8 Ser28-Ser99 Accession # P10145	
<0.10 EU per 1 µg of the antibody by the LAL method.	
Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

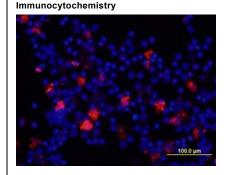
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	Recombinant Human CXCL8/IL-8 (Catalog # 208-IL)
Immunocytochemistry	8-25 μg/mL	See Below
Intracellular Staining by Flow Cytometry	2.5 μg/10 ⁶ cells	Human peripheral blood mononuclear cells treated with LPS, fixed with paraformaldehyde, and permeabilized with saponin
Human CXCL8/IL-8 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 μg/mL	Human CXCL8/IL-8 Antibody (Catalog # MAB208)
ELISA Detection	0.1-0.4 μg/mL	Human CXCL8/IL-8 Biotinylated Antibody (Catalog # BAF208)
Standard		Recombinant Human CXCL8/IL-8 (Catalog # 208-IL)
Neutralization	Measured by its ability to neutralize CXCL8/IL-8-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CXCR2. The Neutralization Dose (ND_{50}) is typically 0.08-0.4 µg/mL in the presence of 20 ng/mL	
	Recombinant Huma	in CXCL8/IL-8.

DATA



Chemotaxis Induced by CXCL8/IL-8 and Neutralization by Human CXCL8/IL-8 Antibody. Recombinant Human CXCL8/IL-8 (Catalog # 208-IL) chemoattracts the BaF3 mouse pro-B cell line transfected with human CXCR2 in a dosedependent manner (orange line). The amount of cells that migrated through to the lower chemotaxis chamber was measured by Resazurin (Catalog # AR002). Chemotaxis elicited by Recombinant Human CXCL8/IL-8 (20 ng/mL) is neutralized (green line) by increasing concentrations of Human CXCL8/IL-8 Monoclonal Antibody (Catalog # MAB208). The ND₅₀ is typically 0.08-0.4 µg/mL.



CXCL8/IL-8 in Human PBMCs. CXCL8/IL-8 was detected in immersion fixed human peripheral blood mononuclear cells (PBMCs) using Human CXCL8/IL-8 Monoclonal Antibody (Catalog # MAB208) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). View our protocol for Fluorescent ICC Staining of Non-adherent

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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Human CXCL8/IL-8 Antibody Monoclonal Mouse IgG, Clone # 6217

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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.