

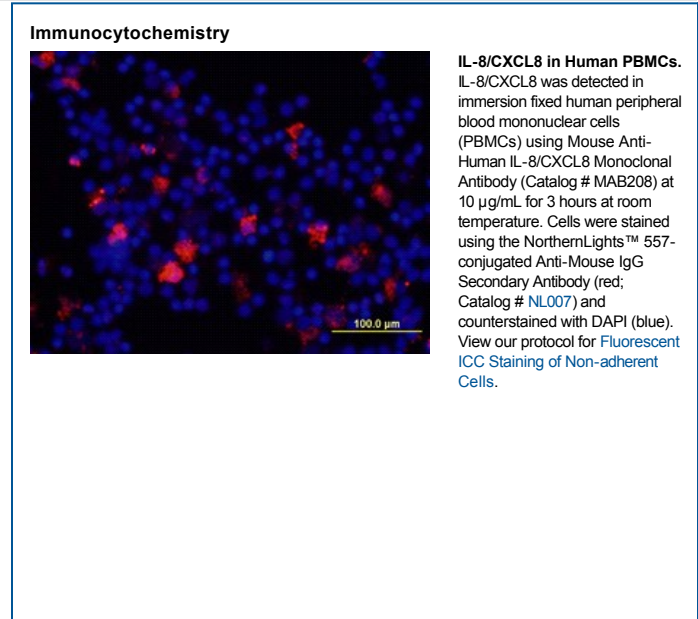
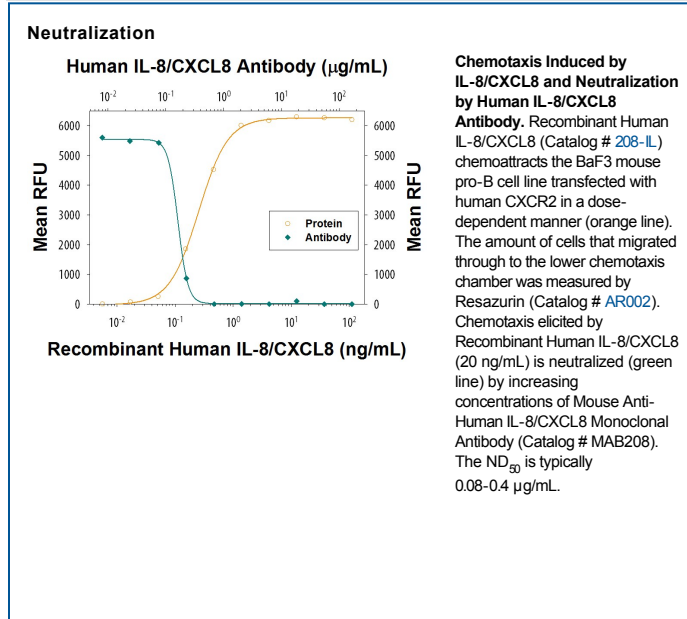
DESCRIPTION	
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human IL-8/CXCL8 in ELISAs and Western blots. In Western blots, 100% cross-reactivity with recombinant porcine IL-8/CXCL8 and no cross-reactivity with recombinant rat CXCL3/CINC-2 $\alpha$ is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 6217
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	E. coli-derived recombinant human IL-8/CXCL8 Ser28-Ser99 Accession # P10145
<b>Endotoxin Level</b>	<0.10 EU per 1 $\mu$ g of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 $\mu$ m 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
<b>Western Blot</b>	1 $\mu$ g/mL	Recombinant Human IL-8/CXCL8 (Catalog # 208-IL)
<b>Immunocytochemistry</b>	8-25 $\mu$ g/mL	See Below
<b>Intracellular Staining by Flow Cytometry</b>	2.5 $\mu$ g/10 <sup>6</sup> cells	Human peripheral blood mononuclear cells treated with LPS, fixed with paraformaldehyde, and permeabilized with saponin
<b>Human IL-8/CXCL8 Sandwich Immunoassay</b>		<b>Reagent</b>
<b>ELISA Capture</b>	2-8 $\mu$ g/mL	Human IL-8/CXCL8 Antibody (Catalog # MAB208)
<b>ELISA Detection</b>	0.1-0.4 $\mu$ g/mL	Human IL-8/CXCL8 Biotinylated Antibody (Catalog # BAF208)
<b>Standard</b>		Recombinant Human IL-8/CXCL8 (Catalog # 208-IL)
<b>CyTOF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
<b>Neutralization</b>	Measured by its ability to neutralize IL-8/CXCL8-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CXCR2. The Neutralization Dose (ND <sub>50</sub> ) is typically 0.08-0.4 $\mu$ g/mL in the presence of 20 ng/mL Recombinant Human IL-8/CXCL8.	

**DATA**



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li><li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li><li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul>

## 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.