

DESCRIPTION

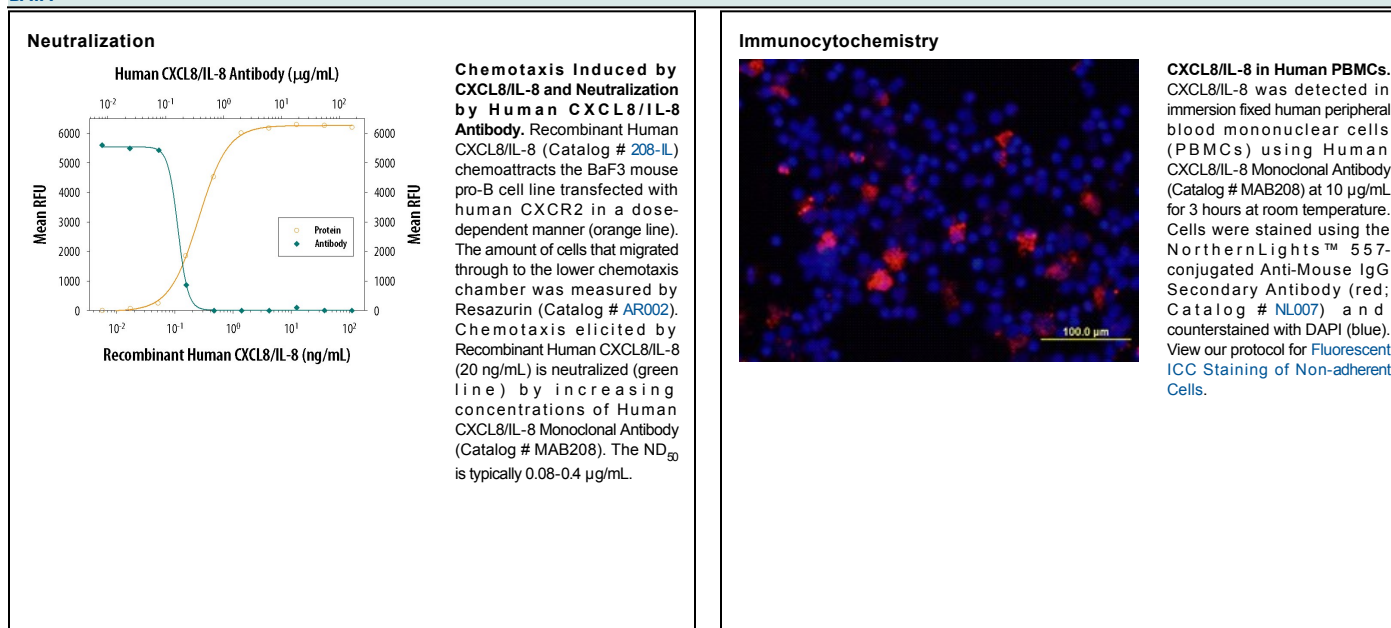
Species Reactivity	Human
Specificity	Detects human CXCL8/IL-8 in ELISAs and Western blots. In Western blots, this antibody shows 100% cross-reactivity with recombinant porcine CXCL8/IL-8 and no cross-reactivity with rrCXCL3/CINC-2α.
Source	Monoclonal Mouse IgG ₁ Clone # 6217
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human CXCL8/IL-8 Ser28-Ser99 Accession # P10145
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	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 Standard	0.1-0.4 µg/mL	Human CXCL8/IL-8 Biotinylated Antibody (Catalog # BAF208) 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 Human CXCL8/IL-8.	

DATA



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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 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.

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.