

## DESCRIPTION

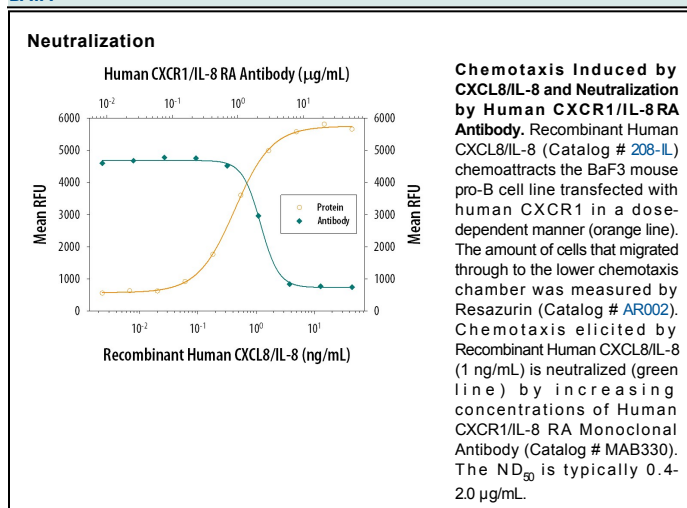
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CXCR1/IL-8 RA transfectants but not the parental cell line. It does not cross-react with human CXCR2.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 42705
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human CXCR1/IL-8 RA Met1-Leu350 Accession # AAA59159
<b>Endotoxin Level</b>	<0.10 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	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
<b>Flow Cytometry</b>	2.5 µg/10 <sup>6</sup> cells	Human whole blood granulocytes
<b>Immunohistochemistry</b>	8-25 µg/mL	Immersion fixed paraffin-embedded sections of human spleen
<b>Neutralization</b>	Measured by its ability to neutralize CXCL8/IL-8-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CXCR1. The Neutralization Dose (ND <sub>50</sub> ) is typically 0.4-2.0 µg/mL in the presence of 1 ng/mL Recombinant Human CXCL8/IL-8.	

## 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

The human C-X-C chemokine IL-8 is a potent neutrophil chemotactic and activating factor. Two distinct G protein-linked cell surface receptors, known as IL-8 RA (type I or CXCR1) and IL-8 RB (type II or CXCR2), can interact with the IL-8 molecule. These two receptors share 77% amino acid homology. CXCR1 expression has been documented on neutrophils, monocytes, and a small population of T cells.