

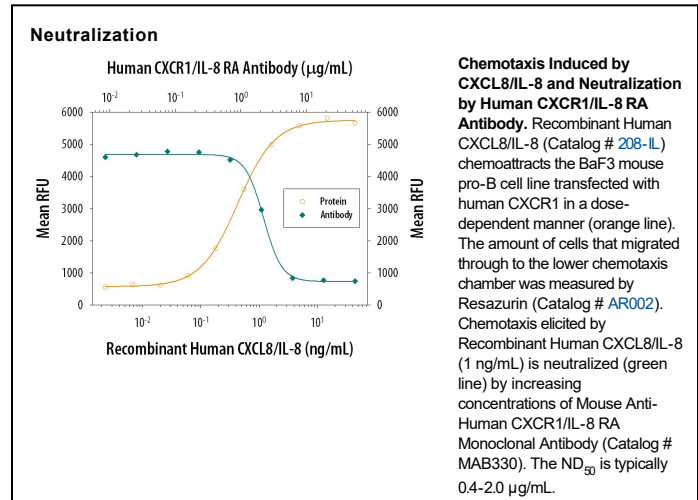
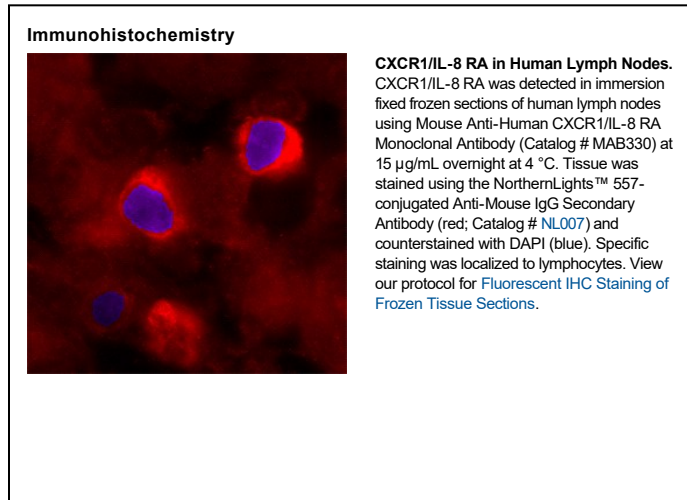
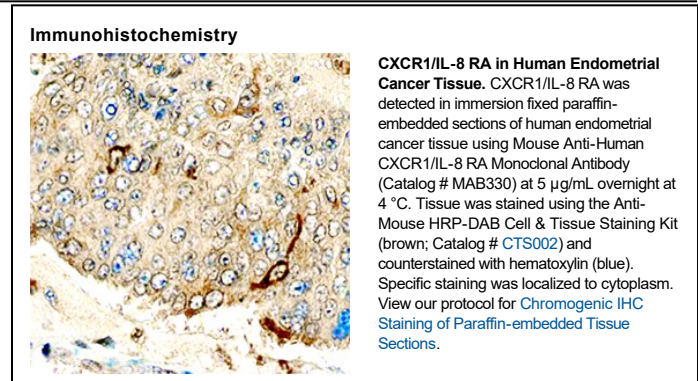
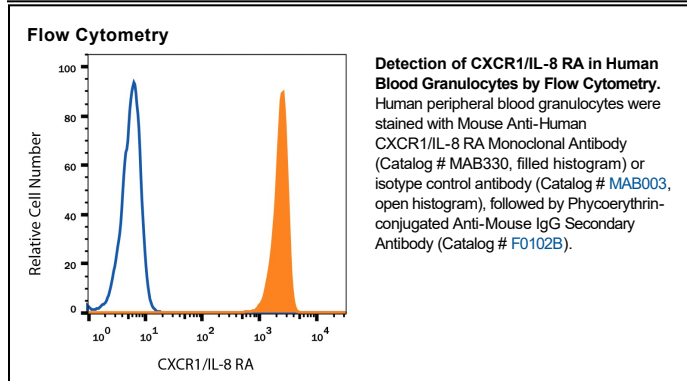
DESCRIPTION	
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CXCR1/IL-8 RA transfectants but not the parental cell line. It does not cross-react with human CXCR2.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 42705
<b>Purification</b>	Protein A or G purified from hybridoma 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 either lyophilized or 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>	0.25 µg/10 <sup>6</sup> cells	See Below
<b>Immunohistochemistry</b>	8-25 µg/mL	See Below
<b>CyTOF-reported</b>	Cheng, Y. <i>et al.</i> (2016) <i>J. Immunol.</i> <b>196</b> : 924. 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 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

**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.

- 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

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.