

**DESCRIPTION**

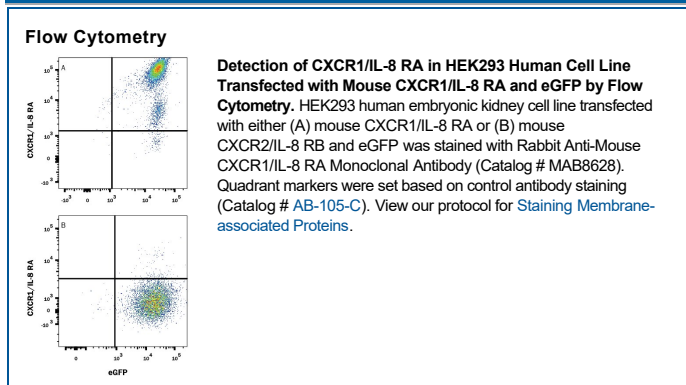
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CXCR1 transfectants but not CXCR2 transfectants by flow cytometry.
<b>Source</b>	Recombinant Monoclonal Rabbit IgG Clone # 1122A
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Mouse CXCR1/IL-8 RA Peptide Accession # Q810W6
<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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below

**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**

CXCR1, also known as IL-8 RA and CD181, is an approximately 60 kDa 7TM glycoprotein that functions as a receptor for the chemokine CXCL8/IL-8. It is expressed on neutrophils, monocytes, CD8 T cells, FoxP3+ CD4 Treg cells, mast cells, neuronal and glial cells, vascular endothelial cells, and melanoma. CXCR1 forms homodimers and heterodimers with CXCR2/IL-8 RB. It can be cleaved from neutrophils in the lungs of cystic fibrosis patients to release fragments that promote CXCL8 production from airway epithelial cells. CXCR1 mediates neutrophil activation and chemotaxis to sites of inflammation as well as angiogenesis and melanoma invasiveness. Mouse CXCR1 shares 65% and 89% amino acid sequence identity with human and rat CXCR1, respectively.