

#### DESCRIPTION

<b>Species Reactivity</b>	Rat
<b>Specificity</b>	Detects rat CXCR2/IL-8 RB in direct ELISAs. In Flow Cytometry, stains HEK293 cells transfected with rat CXCR2/IL-8 RB, but does not stain non-transfected cells.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 866614
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with rat CXCR2/IL-8 RB Accession # P35407
<b>Conjugate</b>	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### 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>	0.25-1 µg/10 <sup>6</sup> cells	Rat peripheral blood granulocytes and HEK293 human embryonic kidney cell line transfected with rat CXCR2/IL-8 RB and eGFP

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

CXCR2 is an approximately 40 kDa 7-transmembrane domain receptor for the ELR+ chemokines CXCL1, 2, 3, 5, 6, 7, 8 and MIF. CXCR2 is expressed on neutrophils, monocytes, eosinophils, basophils, mast cells, T cells, oligodendrocytes, airway smooth muscle cells, and vascular endothelial cells. It is additionally upregulated in several cancers. CXCR2 can associate into homodimers or heterodimers with CXCR1, CXCR4, CD74, or the delta Opioid Receptor. CXCR2 plays an important role in attracting immune cells to sites of inflammation followed by their adhesion and extravasation. It is also involved in angiogenesis, the development of inflammatory disorders, and cancer. Rat CXCR2 shares 71% and 86% amino acid sequence identity with human and mouse CXCR2, respectively.

#### PRODUCT SPECIFIC NOTICES

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