

## DESCRIPTION

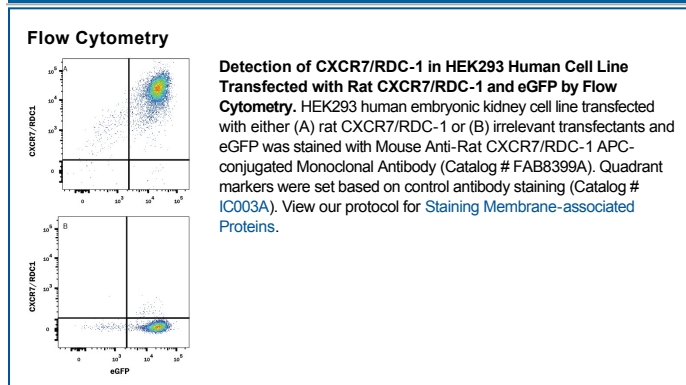
<b>Species Reactivity</b>	Rat
<b>Specificity</b>	Detects HEK293 human embryonic kidney cell line transfected with rat CXCR7/RDC-1 by Flow Cytometry. Does not detect untransfected or irrelevant transfected HEK293 cells.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 896032
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with rat CXCR7/RDC-1 Met1-Lys362 Accession # NP_445804
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	Supplied 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	See Below

## DATA



## 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

CXCR7 (CXC Chemokine Receptor 7), also known as GPRN1, RDC-1 and Chemokine Orphan Receptor 1, is a 60 kDa member of the G-protein coupled receptor 1 family. It is expressed on multiple cell types, including neurons, T cells, NK cells, neutrophils, B cells plus angiogenic endothelial cells. CXCR7 forms both homodimers and heterodimers with CXCR4. It selectively binds I-TAC and SDF-1, and appears to involve β-Arrestin 2 during signaling. Notably, a CXCR7:CXCR4 heterodimer shows increased responsiveness to SDF-1, and I-TAC may actually block some SDF-1-mediated migration activity.