

## DESCRIPTION

<b>Species Reactivity</b>	Rat
<b>Specificity</b>	Detects rat CXCR3 in ELISAs.
<b>Source</b>	Recombinant Monoclonal Mouse IgG <sub>2B</sub> Clone # 868013R
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with rat CXCR3 Accession # Q9J119
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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	NS0 Cell Line Transfected with Rat CXCR3 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

CXCR3, also known as CD183, is an approximately 41 kDa (predicted) 7-transmembrane spanning receptor for the chemokines CXCL9, CXCL10, and CXCL11. It is expressed on activated T cells, B cells, and NK cells during inflammation. It is additionally upregulated on solid tumor cells, tumor endothelium, and cancer stem cells. CXCR3 plays a role in leukocyte recruitment to sites of inflammation. It also contributes to Th1 biased responses during autoimmune diseases rheumatoid arthritis, systemic erythematosis, and type 1 diabetes. Rat CXCR3 shares 86% and 96% amino acid sequence identity with human and mouse CXCR3, respectively.

## PRODUCT SPECIFIC NOTICES

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