

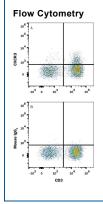
Monoclonal Mouse IgG1 Clone # 49801 Catalog Number: MAB160

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human CXCR3.	
Source	Monoclonal Mouse IgG <sub>1</sub> Clone # 49801	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	en NS0 mouse myeloma cell line transfected with human CXCR3 Met1-Leu368 Accession # P49682	
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.	
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS and NaCl 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.	

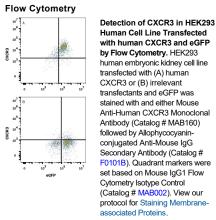
## APPLICATIONS

	Recommended	Sample	
	Concentration		
Flow Cytometry	0.25 μg/10 <sup>6</sup> cells	See Below	
Immunohistochemistry	8-25 μg/mL	See Below	
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.		
Neutralization	Measured by its ability to neutralize CXCL11/I-TAC-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CXCR3. The Neutralization Dose (ND <sub>50</sub> ) is typically 0.3-1.5 μg/mL in the presence of 7 ng/mL Recombinant Human CXCL11/I-TAC.		

### DATA



Detection of CXCR3 in Human PBMC Lymphocytes by Flow Cytometry. Human PBMC lymphocytes were stained with (A) Mouse Anti-Human CXCR3 Monoclonal Antibody (Catalog # MAB160) or (B) Mouse IgG1 isotype control antibody (Catalog # MAB002) followed by PEconjugated anti-Mouse IgG Secondary Antibody (Catalog # F0102B) and Mouse Anti-Human CD3 epsilon APC-conjugated Monoclonal Antibody (Catalog # FAB100A). View our protocol for Staining Membrane-associated Proteins.



Human Cell Line Transfected with human CXCR3 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with (A) human CXCR3 or (B) irrelevant transfectants and eGFP was stained with and either Mouse Anti-Human CXCR3 Monoclonal Antibody (Catalog # MAB160) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on Mouse IgG1 Flow Cytometry Isotype Control (Catalog # MAB002). View our protocol for Staining Membraneassociated Proteins.

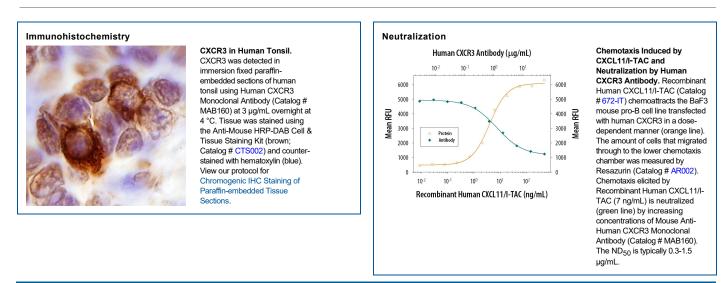
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# Human CXCR3 Antibody

Monoclonal Mouse IgG<sub>1</sub> Clone # 49801 Catalog Number: MAB160



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.
	<ul> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

#### BACKGROUND

**R**Dsystems

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CXCR3 is a G protein-coupled chemokine receptor that binds the  $\alpha$  chemokines MIG (CXCL9), IP-10 (CXCL10), and I-TAC (CXCL11). CXCR3 is expressed on activated T cells, B cells, and NK cells.

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