



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Anti-Human CXCR4 Monoclonal (44716)
<b>Catalog Number:</b>	4085
<b>Lot Number:</b>	098197
<b>Release Category:</b>	A
<b>Provided:</b>	100µg (1mg/mL) purified protein, resuspended in PBS.
<b>Description:</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a Balb/c mouse inoculated with hCXCR4 transfected mouse 3T3 cells. The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography. CXCR4 is a G-protein-linked seven transmembrane spanning receptor that binds stromal cell-derived factor-1 (SDF-1). CXCR4 acts as a co-factor for T-cell tropic HIV-1 and -2 viral entry into cells.
<b>Host:</b>	Balb/c mouse splenocyte.
<b>Special Characteristics:</b>	<p>This antibody was selected for its ability to react specifically with human CXCR4 (fusin) expressed on human or non-human cells as detected by flow cytometry. It will also react with cells expressing feline CXCR4 but not rat CXCR4. This antibody does not cross-react with other chemokine receptors.</p> <p>Specificity: human CXCR4 (fusin)</p> <p>Applications: Neutralization of bioactivity, Flow cytometry, Immunohistochemistry</p> <p>Commerically available at R&amp;D Systems <a href="#">Cat# MAB172</a></p>
<b>Recommended Storage:</b>	-70°C.
<b>Contributor:</b>	DAIDS, NIAID
<b>Isotype:</b>	IgG <sub>2b</sub>

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

**References:** Endres MJ, et al. Cell 87:745, 1996.

**NOTE:** Acknowledgement for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-Human CXCR4 Monoclonal (44716)."

**Last Updated** March 01, 2016

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