



## NIH AIDS Reagent Program

20301 Century Boulevard  
Building 6, Suite 200  
Germantown, MD 20874  
USA

Phone: 240 686 4740  
Fax: 301 515 4015  
aidsreagent.org

### DATA SHEET

**Reagent:** Anti-Human CXCR4 Monoclonal (44716)

**Catalog Number:** 4085

**Lot Number:** 160017

**Release Category:** A

**Provided:** 100 µg purified protein, lyophilized from 100 µL of a 0.2 µm filtered solution in PBS, pH 7.4. Reconstitute at 0.5 mg/mL in sterile PBS.  
Endotoxin Level = Less than 0.10 EU per 1 µg of the antibody by the LAL method.

**Description:** This antibody binds to human CXCR4.

**Host:** Balb/c mouse splenocyte.

**Special Characteristics:** 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 human CXCR4 transfected mouse 3T3 cells. It was purified by protein G affinity chromatography.  
Applications: Neutralization, Flow cytometry, Immunohistochemistry.

**Optimal Dilutions should be determined by end user.**  
Commercially available at R&D Systems (Cat# MAB172).

**Recommended Storage:** Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.

**Contributor:** DAIDS, NIAID (Produced by R&D Systems)

**Isotype:** 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. CD4-independent infection by HIV-2 is mediated by fusin/CXCR4. *Cell* **87**:745-756, 1996. [Abstract](#)

**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** November 12, 2020

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