



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Anti-Human CCR5 Monoclonal (45531)

**Catalog Number:** 4087

**Lot Number:** 120161

**Release Category:** A

**Provided:** 100 µg purified protein, resuspended in PBS.

**Description:** 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 CC chemokine receptor 5 (hCCR5) transfected NSO mouse myeloma cells. The IgG fraction of ascities fluid was purified by Protein G affinity chromatography.

**Host:** Balb/c mouse.

**Special Characteristics:** This antibody was selected for ability to react in FACS specifically with human CCR5 transfectants. Also reacts with a CCR5/CCR2 chimera containing the 2nd extracellular loop of CCR5. Reacts with CCR5 on the surface of stimulated human PBMCs. Use at 5-10 µg/ml for flow cytometry. Can be used at 5-25 µg/ml for immunohistochemistry on cultured cells or tissue sections. Complete inhibition of cell-surface CCR5-mediated rhMIP-1α response occurs at 50 µg/ml antibody in the presence of 1.25 µg/ml rhMIP-1α.  
Commerically available at R&D Systems (Cat# MAB182)

**Recommended Storage:** -70°C

**Contributor:** DAIDS, NIAID

**Isotype:** IgG<sub>2b</sub>

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

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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.

**NOTE:**

Acknowledgement for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-Human CCR5 Monoclonal (45531) ."

**Last Updated**

March 01, 2016

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