



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Anti-Human CCR5 Monoclonal (45523)
<b>Catalog Number:</b>	4089
<b>Lot Number:</b>	AJB124071
<b>Release Category:</b>	A
<b>Provided:</b>	100 µg purified protein from ascites, lyophilized in PBS.
<b>Description:</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells. The IgG fraction of ascites fluid was purified by Protein G affinity chromatography. CCR5 is a G protein-linked seven transmembrane domain chemokine receptor. CCR5 serves as a receptor for several chemokines including MIP-1 $\alpha$ , MCP-2 and RANTES. It also includes as a coreceptor for Macrophage Tropic HIV-1 Infection.
<b>Host:</b>	Balb/c mouse splenocyte.
<b>Special Characteristics:</b>	<p>IgG<sub>2a</sub> antibody selected for ability to react in FACS specifically with human CCR5 transfectants. Does not cross-react with CCR1, CCR2, or CCR3. Reacts with CCR5 on the surface of formaldehyde-fixed, but not on unfixed, stimulated human PBMCs. Use at 5-10 µg/ml for flow cytometry. Can be used at 5 µg/ml for immunohistochemistry on fixed cells.</p> <p>Spfecity: human CCR5</p> <p>Ig class: mouse IgG<sub>2g</sub></p>
<b>Recommended Storage:</b>	Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
<b>Contributor:</b>	DAIDS, NIAID. Produced by R&D Systems.
<b>References:</b>	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:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-Human CCR5 Monoclonal (45523) (Cat# 4089). Also include references listed above.

**Last Updated**

October 12, 2017

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