



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Anti-Human CCR5 Monoclonal (45531)
Catalog Number:	4087
Lot Number:	140350
Release Category:	A
Provided:	100µg purified protein, lyophilized. Reconstitute at 0.5 mg/mL in sterile PBS.
Description:	This antibody was produced from a mouse hybridoma elicited from Balb/c mouse inoculated with hCCR-5 transfected NS0 mouse myeloma cells. The IgG fraction of ascites fluid was purified by Protein G affinity chromatography.
Host:	Balb/c mouse splenocyte.
Special Characteristics:	<p>IgG_{2a} antibody selected for ability to react in FACS specifically with human CCR5 transfectants but not parental cell lines. Also reacts with a CCR5/CCR2 chimera (2252) containing the 2nd extracellular loop of hCCR5. 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.</p> <p>Specificity: rhCCR-5</p> <p>Ig class: mouse IgG₂₈.</p> <p>Commercially available at R&D Systems (Cat# MAB182)</p>
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.

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 CCR5 Monoclonal (45531)."

Last Updated March 01, 2016

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