



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Anti-Human CCR5 Monoclonal (45531)

Catalog Number: 4087

Lot Number: AWK031111

Release Category: A

Provided: 100 µg purified protein from ascites, lyophilized in 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: 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.

Specificity: rhCCR-5

Ig class: mouse IgG₂₈.

Commercially available at R&D Systems (Cat# MAB182)

Recommended Storage: -20°C

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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