



NIH AIDS Reagent Program

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DATA SHEET

Reagent: CXCR4 Monoclonal (44708)

Catalog Number: 4084

Lot Number: 130197

Release Category: A

Provided: 100µg (1.0 mg/mL) purified protein, resuspended in PBS.

Description: This antibody was produced from a hybridoma elicited from a Balb/c mouse indicated with hCXCR4 transfected mouse 3T3 cells. IgG fraction of ascites fluid was purified by Protein G affinity chromatography.

Host Site: Balb/c mouse splenocyte.

Special Characteristics: Selected for ability to react in FACS specifically with human and non-human cells expressing human CXCR4 (fusin). Also reacts with cells expressing feline but not rat CXCR4. Not cross-reactive with other chemokine receptors. Use at 10 µg/ml for flow cytometry and IFA. Half-maximal inhibition of cell-surface CXCR4-mediated SDF-1/PBSF response is 1.5-8 µg/ml in the presence of 1 ng/ml rhSDF-1α. Isotype is IgG_{2a}.

Specificity: human CXCR4.

Ig class: mouse IgG₂₈.

Commercially available at R&D Systems (Cat# MAB171)

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.

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

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: CXCR4 Monoclonal (44708)."

Last Updated September 16, 2015

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