



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent:	Anti-HIV-1 p24 Hybridoma (183-H12-5C)
Catalog Number:	1513
Lot Number:	130184
Release Category:	C
Provided:	1 vial frozen cells, 4.7×10^6 cells/mL. Viability 90%.
Cell Type:	Balb/c mouse splenocyte x SP2-0 myeloma.
Isotype:	IgG ₁ , k
Propagation Medium:	RPMI 1640, 90%; fetal bovine serum, 10%.
Freeze Medium:	RPMI 1640, 40%; fetal bovine serum, 50%; DMSO, 10%.
Growth Characteristics:	Addition of mouse spleen feeder cells (see attached instructions) is suggested for establishing these cells in culture.
Description	These cells produce an IgG ₁ monoclonal antibody reactive with HIV-1 p24 Gag.
Special Characteristics:	The antibody has been used to study ethanol fixed cells in indirect fluorescence and immunoperoxidase assays, to immunoprecipitate p24, and to coat plates for p24 antigen capture ELISA. Related Protocol: Thawing and Propagation of Hybridomas Column Purification of Hybridoma 183 (HIV-1 p24) Supernatant
Sterility:	Negative for mycoplasma, bacteria and fungi.

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.

Recommended Storage: Liquid nitrogen

Contributor: Dr. Bruce Chesebro and Dr. Hardy Chen.

References: Chesebro B, Wehrly K, Nishio J, Perryman S. Macrophage-tropic human immunodeficiency virus isolates from different patients exhibit unusual V3 envelope sequence homogeneity in comparison with T-cell-tropic isolates: definition of critical amino acids involved in cell tropism. *J Virol* **66**:6547-6554, 1992.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-HIV-1 p24 Hybridoma (183-H12-5C) (Cat# 1513) from Dr. Bruce Chesebro." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the NIH Office of Technology Transfer, Email: NIAIDAIDSReagent@niaid.nih.gov, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

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