



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 gp41 Hybridoma (Chessie 8)
Catalog Number:	526
Lot Number:	110193
Release Category:	B
Provided:	5.0 x 10 ⁶ cells/vial Viability is 94%.
Propagation Medium:	RPMI 1640 supplemented with 50 µM β-mercaptoethanol, 100 U/ml penicillin, 100 µg/ml streptomycin, 90%; fetal bovine serum, 10%.
Freeze Medium:	Fetal bovine serum, 90%; DMSO, 10%.
Growth Characteristics:	Thaw cells quickly in a 37°C water bath and dilute with 15 ml of propagation medium warmed to 37°C. For exponential growth, maintain cells at 2-5 x 10 ⁵ /ml and split every day or every other day. Doubling time is 14 hours. Cells are hardy. Freeze cells at 10 ⁶ -10 ⁷ per ml. To obtain antibody, overgrow cells until they die. Should obtain yield of 10-20 µg antibody per ml.
Description	Balb/c mouse splenocyte x P3X63 Ag8.X653 myeloma. Chessie 8 produces a monoclonal antibody of isotype IgG1. This antibody reacts with gp160 and is specific for gp41 as determined by ELISA and Western blot.
Special Characteristics:	The epitope has been mapped to aa 727-732 of LAI gp41 (PDRPEG). Antibody reactivities have been tested with HIV-III _B isolates and its cloned <i>env</i> gene products.
Sterility:	Negative for mycoplasma, bacteria and fungi.
Recommended Storage:	Liquid nitrogen.
Contributor:	Dr. George K. Lewis.

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: Abacioglu YH, Fouts TR, Laman JD, Claassen E, Pincus SH, Moore JP, Roby CA, Kamin-Lewis R, Lewis GK. Epitope mapping and topology of baculovirus-expressed HIV-1 gp160 determined with a panel of murine monoclonal antibodies. *AIDS Res Hum Retroviruses* **10**:371-381, 1994.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Chessie 8 from Dr. George Lewis." Also include the reference cited above in any publications.

Last Updated July 30, 2018

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.