



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Anti-HIV-1 gp41 Hybridoma (Chessie 8)
Catalog Number:	526
Lot Number:	060773
Release Category:	B
Provided:	1.3 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
Special Characteristics:	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. The epitope has been mapped to aa 727-732 of LAI gp41 (PDRPEG). Antibody reactivities have been tested with HIV-II _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.

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